ERC [redacted]
NEW DEC 1973

TUBE TEST DATA

For Precision Models

612, 614, 620, 654

FOR USE WITH
ROLL CHART ERC G2B

COLETRONICS SERVICE INC.

1744 ROCKAWAY AVE. • HEWLETT, L.I., N.Y. 11557

11-1-73

COLETRONICS SERVICE, INC.
1744 Rockaway Avenue
Hewlett, L.I., N.Y. 11557

NEW TUBE RELEASES for use with ERC 1-1-73 DATA BOOK

TUBE	SECT	A	B	C	D	E	F	FIL CONT
1D-K1		5	2	27	1	-	9	2
	Insert bottom leads into pins 1&2 of 9 pin socket. Cap goes to top lead.							
1R-K23	Caution: Levers 5-8 must be thrown to position "E" before inserting tube and must remain in position "E" throughout all test, including short test.							
		5	2	19	2	5-8	10	*
	*1-4-6-9							
	May show short on 3-7 - Use red grid cap.							
4JW8	tri	2	6	23	4	-	1-9	5
"	pen	2	6	21	4	-	2-3-6	
4RHH15	tri-2	2	5	25	4	-	1-2	
"	tri-1	2	5	25	4	-	6-7	
5P-29		1	6	4	2	-	4-5-9	7
5RHP1	tri	2	6	24	4	-	1-9	5
"	pen	2	6	23	4	-	2-3-6	
6C16	tri	2	6	24	4	-	1-9	5
"	pen	2	6	23	4	-	2-3-6	
6C18	tri	2	7	23	4	-	1-9	5
"	pen	2	7	21	4	-	2-3-7	
	Must show short on 6-8							
	Cathode short test - throw 1-3 together.							
6CC31	tri-1	2	7	24	3	-	2-5	4
"	tri-2	2	7	24	3	-	1-6	
6D1		2	7	25	3	1	5-5	4
	Must show short on 1-5							
6DK3		2	7	23	4	-	2-7	5
	Must show short on 2-7							
6DQ3 (Key at 0)		3	7	30	6	-	4	9
	Read on diode special arc.							
6DU3 (Key at 0)		3	7	30	6	-	4	9
	Read on diode special arc.							
6E8	Total	1	7	9	2	-	*	7
"	tri	1	7	11	2	-	5-6	
	*3-4-5-6-9							
6F19		2	7	23	4	3	2-7-8	5
	Must show short on 1-3							
	Cathode short test - throw 1-3 together.							
6F21		1	7	7	3	-	1-5-6-7	4

TUBE	SECT	A	B	C	D	E	F	FIL CONT
6F22		2	7	26	4	-	1-6-9	5
	Must show short on 2-7							
6F26		2	7	23	4	3	2-7-8	5
	Must show short on 1-3							
	Cathode short test - throw 1-3 together.							
6F29		2	7	21	4	-	2-7-8-9	5
	Must show short on 1-3							
	Cathode short test - throw 1-3 together.							
6GB9		1	7	4	2	-	4-5-9	7
6LW6		2	7	23	7	-	1-3-5-9	8
	May show short on 1-2-5-6							
6M-H1		1	7	4	3	-	1-5	4
	Must show short on 1-5-6							
	Grid short test - throw 1-5-6 together.							
6MH6								
(Key at 4)		2	7	22	3	2	7-9-10	5
	Must show short on 1-2-7-8. Cap goes to top of tube							
6ML8	tri-1	2	7	24	4	-	3-6	5
"	tri-2	2	7	24	4	-	2-8	
"	tri-3	2	7	24	4	-	1-9	
6MX8	tri	2	7	25	4	-	8-9	5
"	pen	2	7	22	4	-	2-6-7	
6PL12	tri	2	7	26	4	-	1-9	5
"	pen	2	7	26	4	-	3-6-7	
6Q8	tot	1	7	9	2	-	*	7
	*3-4-5-6-9							
	tri	1	7	11	2	-	5-6	
7D10		1	7	3	4	-	2-7-8	5
9AM10								
(Key at 5)	tri-1	2	8	23	4	-	1-2	6
(Key at 0)	tri-2	2	8	23	1	-	5-7	
(Key at 3)	tri-3	2	8	23	2	-	1-5	
	Use red grid cap.							
9ML8	tri-1	2	8	24	4	-	3-6	5
"	tri-2	2	8	24	4	-	2-8	
"	tri-3	2	8	24	4	-	1-9	
11CH11								
(Key at 2)	tri-1	2	9	23	1	-	7-9	3
(Key at 5)	tri-2	2	9	23	4	-	1-8	
(Key at 6)	pen	2	9	23	5	-	3-4-8	
11LY6		2	9	23	4	3	2-7-8-9	5
12MX8	tri	2	10	25	4	-	8-9	5
"	pen	2	10	22	4	-	2-6-7	
12R-LL3	tri-1	2	7	22	9	-	6-7	4-5
"	tri-2	2	7	22	9	-	1-2	
	Fil Cont - throw 4-5 together.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
17R-HH2	tri-1	2	11	22	4	-	6-7	5
"	tri-2	2	11	22	4	-	1-2	
19A3		2	7	23	6	-	5	3-4-5
19DK3		2	11	23	4	-	2-7	5
	Must show short on 2-7							
19DQ3 (Key at 0)		3	11	30	6	-	4	9
	Read on diode special arc.							
19U3		1	10	6	4	-	9	5
19W3		1	10	6	4	-	9	5
25DK3		2	12	23	4	-	2-7	5
	Must show short on 2-7							
25MP20		2	12	25	3	-	1-5-6	4
25R-K19		2	12	23	4	2	9	5
	Must show short on 2-9. Use red grid cap.							
26LW6		2	12	23	7	-	1-3-5-9	8
	May show short on 1-2-5-6							
30PL12	tri	2	10	24	4	-	1-9	5
"	pen	2	10	22	4	-	3-6-7	
34DK3		2	13	23	4	-	2-7	5
	Must show short on 2-7							
CK6293		2	7	23	2	-	3-5-9	7
	Must show short on 1-4-6							
PL6574		2	7	29	1	-	3-5-6	7
8908		2	7	22	7	1-2	*	8
	*3-5-6-9							
	Must show short on 1-2-5-6							
	Grid-1 short test - throw 1-5 together.							
	Grid-3 short test - throw 2-6 together.							

FOREIGN

ED-500*		2	7	32	4	-	8-10	5
	Must show short on 1-2-3-6-7-9							
	Red grid cap goes to top of tube							
	*Must use magnoval adapter							
EF-804S		2	7	24	4	-	7-8-9	5
	Must show short on 2-6							
EN-32		2	7	29	1	-	3-5-6	7
LL-509*		2	12	20	4	1-3	6-8-10	5
	Must show short on 1-2-3-6-7-8							
	Red grid cap goes to top of tube							
	*Must use magnoval adapter							
N-22LL*		2	11	22	4	1	6-7-9	5
	Must show short on 1-7							
	*Must use magnoval adapter							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
PL-504*		2	12	21	4	2-7-8	1-6-10	5
	Must show short on 1-2-3-6-7-8							
	Cathode short test - throw 3-8 together							
	Red grid cap goes to top of tube							
	*Must use magnoval adapter							
XL-504*		2	10	21	4	2-7-8	1-6-10	5
	Must show short on 1-2-3-6-7-8							
	Red grid cap goes to top of tube							
	*Must use magnoval adapter							

CORRECTIONS

2AV2		5	3	21	4	*	9	5
	*Throw levers 1-2-3-6-7-8 to position "E"							
	May show short on 1-2-3-6-7-8-9							
16KA6	Some tubes may show short on 7							
21KA6	Some tubes may show short on 7							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
1AD2 (Key at 2)		5	2	40	3	*	10	1
	*Set levers 4-5-7-8-9 at E. May show short on 4-5-7-8-9. Red grid cap goes to top of tube.							
1AU2		5	2	28	4	1	9	5
1AY2		5	2	18	1	-	10	•
	•Move lever #1 to F for Fil. Cont. Insert leads into pins 1&6 of 9 pin socket. Use red grid cap.							
1BC2		5	2	8	5	2-8	10	4
	Must show short on 1-6-9. Read on Diode Special Arc. Use red grid cap.							
1BG2		5	2	14	1	-	9	2
	Insert bottom leads into 1&2 of 9 pin socket. Cap goes to top lead.							
1BK2	Caution: Levers 5-8 must be thrown to position "E" before inserting tube and must remain in position "E" throughout all tests-including short test.							
		5	2	22	2	5-8	10	•
	•Must show short on 1-2-4-6-9 May show short on 3-7. Use red grid cap.							
1BQ2		5	2	23	2	5-8	10	•
	•Must show short on 1-4-6-9. Use red grid cap.							
1BX2	Caution: Levers 5-8 must be thrown to position "E" before inserting tube and must remain in position "E" throughout all tests-including short test.							
		5	2	21	2	5-8	10	•
	•Must show short on 1-4-6-9. May show short on 3-7. Use red grid cap.							
1BY2 (Key at 2)		5	2	25	1	*	9	3
	*2-4-5-6-7-8. No short test. Good tube reads above 30.							
1DG3		5	2	40	8	*	9	•
	*2-4-5-6							
	•3-4-5-6-8. No short test.							
1DK29		5	2	15	1	-	9	2
	Insert bottom leads into pins 1&2 of 9 pin socket. Cap goes to top lead.							
1K3		4	2	38	2	-	9	7
	May show short on 1-3-5-8.							
1R-K41	Caution: Levers 5-8 must be thrown to position "E" before inserting tube and must remain in position "E" throughout all tests - including short test.							
		5	2	22	2	5-8	10	•
	•Must show short on 1-2-4-6-9. May show short on 3-7. Use red grid cap.							
2AF4		2	3	23	3	1-2	6-7	4
	Must show short on 1-2-6-7.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
2AH2								
(Key at 2)	*Caution: Levers 4-5-7-8-9 must be thrown to position "E" before inserting tube and must remain in position "E" throughout all tests - including short test.							
		4	4	33	1	*	10	3
	Red cap goes to top of tube.							
2AS2								
(Key at 5)		5	4	23	4	8	9	6
	May show short on 1-2-3-5-6-7. Cap goes to top of tube Use Diode Special Arc.							
2AV2		5	3	29	4	*	9	5
	*Throw levers 1-2-3-6-7-8 to position "E". May show short on 1-2-3-6-7-8-9							
2AZ2	*Caution: Levers 4-5-6-8-9 must be thrown to position "E" before inserting tube and must remain in position "E" throughout all tests - including short test.							
		5	3	19	2	*	10	1
	Use red grid cap.							
2BA2		5	3	15	4	1	9	5
	Must show short on 1-9. Use Diode Special Arc.							
2BJ2	*Caution: Levers 2-8 must be thrown to position "E" before inserting tube and must remain in position "E" throughout all tests - including short test.							
		5	3	19	5	*	10	•
	•Must show short on 1-4-5-6-9. May show short on 3-7. Use red grid cap.							
2BN4		2	3	23	3	2	5-7	4
	Must show short on 1-2-6-7. Cathode short test - throw 1-6 together.							
2BU2								
(Key at 5)		5	3	16	4	1-7	9	•
	•Must show short on 1-4-6-7. Cap goes to top of tube.							
2C50	Tri-1	2	10	24	7	-	1-2	8
"	Tri-2	2	10	24	7	-	4-5	
2CN3		5	2	15	2	-	9	7
	May show short on 3-5.							
2CW4		3	3	28	4	-	1-2	5
	Use Diode Special Arc. Use red grid cap.							
2DL4		2	3	21	4	1-3-6-7	8-9	5
	Must show short on 1-3-6-7-9. Grid short test - throw 1-3-6-7-9 together.							
2DS4		3	3	44	4	-	1-2	5
	Use red grid cap.							
2DV4		2	3	20	3	1-4	2-6	5
	Must show short on 1-2-4-6.							
2DZ4		2	4	24	3	1-2	6-7	4
	Must show short on 1-2-6-7.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
2EG4		3	2	47	4	-	1	5
	Reads above 10 O. K.							
2GU5		2	4	22	3	2	1-5-6	4
	Must show short on 2-7. Cathode short test - throw 2-7 together.							
2GW5		2	4	20	3	6	1-2	4
	Must show short on 2-6.							
2HA5		2	3	21	3	2	1-5	4
	Must show short on 2-7. Cathode short test - throw 2-7 together.							
2HK5		2	3	21	3	2	1-5	4
	Must show short on 2-7. Cathode short test - throw 2-7 together.							
2HM5		2	4	22	3	2	1-5	4
	Must show short on 2-7. Cathode short test - throw 2-7 together.							
2HQ5		2	4	21	3	2	1-5	4
	Must show short on 2-7. Cathode short test - throw 2-7 together.							
2HR8		2	4	24	4	-	1-6-9	5
	May show short on 2-7.							
3AF3		3	5	28	4	2	9	5
	May show short on 2-9. Read on Diode Special Arc. Use red grid cap.							
3AF4		2	5	23	3	1-2	6-7	4
	Must show short on 1-2-6-7.							
3AJ8	Hep	2	5	23	4	-	1-2-6-7	5
"	Tri	2	5	25	4	-	8-9	
3AT2 (Key at 6)		4	4	28	5	1	10	7
	Must show short on 2-8. Red grid cap goes to top of tube.							
3AW2 (Key at 5)		5	5	13	4	-	9	6
	May show short on 1-7. Cap goes to top of tube.							
3AW3		4	5	30	2	-	9	•
	•Throw 3-7-8 together. May show short on 3-7-8.							
3BH2*	Caution: Throw levers 2-8 to "E" before inserting tube.							
		5	4	18	4	2-8	10	5
	*Must use magnoval adapter. Red cap goes to top of tube. Must show short on 1-9.							
3BL2 (Key at 5)		5	5	23	4	-	10	6
	Must show short on 1-6-7. Red cap goes to top of tube.							
3BM2 (Key at 5)		5	5	12	4	-	10	6
	Must show short on 1-7. Use red grid cap.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
3BN2 (Key at 6)		4	4	28	5	1	10	7
	Must show short on 2-8. Red cap goes to top of tube.							
3BS2 (Key at 5)		5	5	15	4	-	9	6
	May show short on 1-7. Cap goes to top of tube.							
3BT2 (Key at 5)		5	4	21	4	1-7	9	•
	•Must show short on 1-4-6-7. Cap goes to top of tube.							
3BW2 (Key at 5)		5	4	21	4	1-7	9	•
	•Must show short on 1-4-6-7. Cap goes to top of tube.							
3CA3		5	5	24	2	-	9	7
3CN3		5	5	15	2	-	9	7
	May show short on 3-5.							
3CU3		5	5	13	2	-	9	7-8
3CV3A		5	5	27	2	-	9	7
	May show short on 1-3-5-8.							
3CX3		5	5	16	3	*	9	•
	*1-2-4-5-6-7 •3-4-5-6-8							
3CY3		5	5	18	2	*	9	•
	*3-4-5-6-7-8 •Must show short on 1-2-3-5-7.							
3CZ3		4	5	30	2	-	9	•
	•Throw 3-7-8 together. May show short on 3-7-8.							
3DA3		5	5	15	3	*	9	•
	*1-2-4-5-6-7 •3-4-5-6-8							
3DB3		5	5	25	2	-	9	7
	Must show short on 1-2-3-5-7.							
3DC3		5	4	14	2	-	9	7
	Must show short on 1-2-3-5-7.							
3DF3		5	5	20	3	-	9	•
	•2-3-4-6-8. No short test.							
3DH3		4	5	26	3	5	9	•
	•3-4-5-6-8. No short test.							
3DJ3		5	4	26	2	-	9	7
	Must show short on 1-2-3-5-7.							
3DR3		4	5	25	3-5	-	9	•
	•2-3-5-6-8							
3DS3		5	5	12	35	1-4-7	9	2-6-8
	Read on Diode Special Arc. No short test.							
3DZ4		2	5	24	3	1-2	6-7	4
	Must show short on 1-2-6-7.							
3DZ11		3	2	20	2	-	1-4	8
3GK6		2	5	22	4	3	2-7-9	5
	Must show short on 3-9.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
3GU5		2	5	21	3	-	1-5-6	4
	Must show short on 2-7.							
	Cathode short test - throw 2-7 together.							
3GW5		2	5	20	3	6	1-2	4
	Must show short on 2-6.							
3HA5		2	4	21	3	2	1-5	4
	Must show short on 2-7.							
	Cathode short test - throw 2-7 together.							
3HE7								
(Key at 0)	Di	3	5	25	1	-	2	9
	Read on Diode Special Arc.							
(Key at 8)	Caution: Throw lever #5 to "E" before inserting tube.							
	Pen	2	5	21	7	5	4-6	9
3HF5								
(Key at 4)		2	5	23	3	2	7-9-10	5
	Must show short on 1-2-7-8.							
	Red grid cap goes to top of tube.							
	Cathode short test - throw 1-8 together.							
3HK5		2	4	21	3	2	1-5	4
	Must show short on 2-7.							
	Cathode short test - throw 2-7 together.							
3HM5		2	4	22	3	2	1-5	4
	Must show short on 2-7.							
	Cathode short test - throw 2-7 together.							
3HM6		2	5	21	4	-	2-7-8-9	5
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together.							
3HQ5		2	5	21	3	2	1-5	4
	Must show short on 2-7.							
	Cathode short test - throw 2-7 together.							
3HS8	Pen-1	2	5	23	4	-	2-7-8-9	5
"	Pen-2	2	5	23	4	-	2-3-6-7	
3HT6		2	5	22	4	3	2-7-8	5
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together.							
3JC6		2	5	22	4	-	2-7-8	5
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together.							
3JD6		2	5	22	4	-	2-7-8	5
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together.							
3KF8	Pen-1	2	5	22	4	-	2-7-8	5
"	Pen-2	2	5	22	4	-	2-3-7	
3KT6		2	5	22	4	-	2-7-8	5
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together.							
3M-P26		2	4	23	3	-	1-5-6	4
3M-R24		2	5	23	3	-	1-5-6-7	4
3M-V7		2	5	24	3	-	1-5-6-7	4

TUBE	SECT	A	B	C	D	E	F	FIL CONT
4AB8	Tri	2	6	26	4	-	1-2	5
"	Pen	2	6	23	4	-	6-8-9	
4AF4		2	5	23	3	1-2	6-7	4
	Must show short on 1-2-6-7.							
4DL4		2	5	22	4	-	*	5
	*Throw levers 1-3-6-7-8-9 to F row.							
	Must show short on 1-3-6-7-9.							
4ER5		2	5	21	3	-	2-5	4
	Must show short on 1-7.							
4GJ7	Tri	2	5	22	4	-	8-9	5
"	Pen	2	5	21	4	-	2-6-7	
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together.							
4GK5		2	5z	22	3	-	2-5	4
	Set switch B to #6 if there is no 5z position.							
	Must show short on 1-7.							
	Cathode short test - throw 1-7 together.							
4GS7	Tri	2	5	22	4	-	1-2	5
"	Pen	2	5	21	4	-	6-7-9	
	Must show short on 3-8.							
	Cathode short test - throw 3-8 together.							
4GW5		2	5z	20	3	6	1-2	4
	Set switch B to #6 if there is no 5z position.							
	Must show short on 2-6.							
4GX6		2	6	23	3	-	1-5-6-7	4
4GX7	Tri	2	5z	22	4	-	8-9	5
"	Pen	2	5z	21	4	-	2-6-7	
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together.							
4GZ5		2	5z	22	3	-	2-5-6-7	4
	Set switch B to #6 if there is no 5z position.							
	Must show short on 2-5.							
4HA5		2	5	21	3	2	1-5	4
	Must show short on 2-7.							
	Cathode short test - throw 2-7 together.							
4HA7								
(Key at 3)		2	5z	26	2	-	1-5	4
(Key at 5)		2	5z	25	4	-	1-2	6
	Set switch B to #6 if there is no 5z position.							
4HC7								
(Key at 0)	Tri-1	2	5z	27	1	-	7-9	10
(Key at 6)	Tri-2	2	5z	27	7	-	4-8	5
	Set switch B to #6 if there is no 5z position.							
	Use red grid cap.							
4HG8	Tri	2	6	23	4	-	6-7	5
"	Pen	2	6	22	4	-	2-8-9	
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
4HK5		2	5z	21	3	2	1-5	4
	Must show short on 2-7. Cathode short test - throw 2-7 together.							
4HM5		2	5	22	3	2	1-5	4
	Must show short on 2-7. Cathode short test - throw 2-7 together.							
4HM6		2	5z	21	4	-	2-7-8-9	5
	Must show short on 1-3. Cathode short test - throw 1-3 together.							
4HQ5		2	6	21	3	2	1-5	4
	Must show short on 2-7. Cathode short test - throw 2-7 together.							
4HR8		2	6	24	4	-	1-6-9	5
	Must show short on 2-7.							
4HS8	Pen-1	2	5z	23	4	-	2-7-8-9	5
"	Pen-2	2	5z	23	4	-	2-3-6-7	
	Set switch B to #6 if there is no 5z position.							
4HT6		2	5z	22	4	3	2-7-8	5
	Set switch B to #6 if there is no 5z position. Must show short on 1-3. Cathode short test - throw 1-3 together.							
4JC6		2	5z	22	4	-	2-7-8	5
	Must show short on 1-3. Cathode short test - throw 1-3 together. Set switch B to #6 if there is no 5z position.							
4JD6		2	5z	22	4	-	2-7-8	5
	Must show short on 1-3. Cathode short test - throw 1-3 together. Set switch B to #6 if there is no 5z position.							
4JH6		2	6	22	3	-	1-5-6	4
4JK6		2	5	21	3	-	1-5-6	4
4JL6		2	5	22	3	-	1-5-6	4
4KE8	Tri	2	6	22	4	-	1-9	5
"	Pen	2	6	22	4	-	2-3-6	
4KF8	Pen-1	2	6	22	4	-	2-7-8	5
"	Pen-2	2	6	22	4	-	2-3-7	
4KN8	Tri-1	2	6	21	4	-	6-7	5
"	Tri-2	2	6	21	4	-	1-2	
4KT6		2	6	22	4	-	2-7-8	5
	Must show short on 1-3. Cathode short test - throw 1-3 together							
4LJ8	Tri	2	6	22	4	-	1-2	5
"	Pen	2	6	21	4	-	6-7-9	
	Must show short on 3-8. Cathode short test - throw 3-8 together.							
4LU6		2	5	24	3	-	*	4
	*1-5-6-7							
4MK8	Pen-1	2	5	23	4	-	2-3-7	5
"	Pen-2	2	5	23	4	-	2-7-8	

TUBE	SECT	A	B	C	D	E	F	FIL CONT
4M-P12		2	6	23	3	-	1-5-6	4
4M-P26		2	5	23	3	-	1-5-6	4
4R-HH2	Tri-1	2	6	23	4	-	6-7	5
"	Tri-2	2	6	23	4	-	1-2	
4R-HH8	Tri-1	2	6	21	4	-	6-7	5
"	Tri-2	2	6	21	4	-	1-2	
5AF4		2	6	23	3	1-2	6-7	4
	Must show short on 1-2-6-7.							
5AF11								
(Key at 7)	Pen	2	6	24	6	-	4-5-9	6-8
(Key at 2)	Di-1	2	6	25	1	-	5-6	1-3
(Key at 0)	Di-2	2	6	24	1	-	6-8	1-10
	Use red grid cap.							
5AQ4	Plate-1	1	6	6	2	-	4	8
"	Plate-2	1	6	6	2	-	6	
5B8	Tri	2	6	25	4	-	1-9	5
"	Pen	2	6	23	4	-	3-6-7	
5BC3	Di-1	1	6	13	1	2-8	9	2-3
"	Di-2	1	6	11	1	2-6	5	
	Must show short on 5-6-8-9. Use red grid cap.							
5CR8	Tri	2	6	23	4	-	1-9	5
"	Pen	2	6	22	4	-	2-6-7	
5DG4	Plate-1	2	6	24	1	-	7	3
"	Plate-2	2	6	24	1	-	5	
5DJ4	Plate-1	1	6	7	1	2	5-6	2-7-8
"	Plate-2	1	6	7	1	2	3-4	
	Caution: Throw #2 to E position before short test.							
	Must show short on 1-3-4-5-6.							
5EW6		2	6	22	3	-	1-5-6	4
5GJ7	Tri	2	7	22	4	-	8-9	5
"	Pen	2	7	21	4	-	2-6-7	
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together							
5GS7	Tri	2	6	22	4	-	1-2	5
"	Pen	2	6	21	4	-	6-7-9	
	Must show short on 3-8.							
	Cathode short test - throw 3-8 together.							
5GX6		2	6	23	3	-	1-5-6-7	4
5GX7	Tri	2	6	22	4	-	8-9	5
"	Pen	2	6	21	4	-	2-6-7	
	Must show short on 1-3							
	Cathode short test - throw 1-3 together.							
5HA7								
(Key at 3)	Tri-1	2	6	26	2	-	1-5	4
(Key at 5)	Tri-2	2	6	25	4	-	1-2	
5HB7	Tri	2	6	21	4	1	8-9	5
"	Pen	2	6	22	4	1	2-6-7	
	Must show short on 1-3.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
5HC7								
(Key at 0)	Tri-1	2	6	27	1	-	7-9	10
(Key at 6)	Tri-2	2	6	27	7	-	4-8	5
	Use red grid cap							
5HG8	Tri	2	6	23	4	-	6-7	5
"	Pen	2	6	22	4	-	2-8-9	
	May show short on 1-3.							
	Cathode short test - throw 1-3 together.							
5HZ6		2	6	21	3	-	1-5-6	4
5JK6		2	6	21	3	-	1-5-6	4
5JL6		2	6	22	3	-	1-5-6	4
5JW8	Tri	2	6	23	4	-	1-9	5
"	Pen	2	6	21	4	-	2-3-6	
5KD8	Tri	2	6	23	4	-	1-9	5
"	Pen	2	6	23	4	-	2-3-6	
5KE8	Tri	2	6	22	4	-	1-9	5
"	Pen	2	6	22	4	-	2-3-6	
5KZ8	Pen	2	6	22	4	-	2-6-7	5
"	Tri	2	6	23	4	-	1-9	
5LJ8	Tri	2	6	22	4	-	1-2	5
"	Pen	2	6	21	4	-	6-7-9	
	Must show short on 3-8.							
	Cathode short test - throw 3-8 together.							
5MB8	Tri	2	6	22	4	-	1-2	5
"	Pen	2	6	21	4	-	6-7-9	
5MF8								
(Key at 8)	Pen	2	6	23	9	1	2-3-10	7
	Must show short on 1-2.							
(Key at 5)	Tri	2	6	22	6	-	2-7	4
	Use red grid cap.							
5M-HH3	Tri-1	2	6	23	3	-	2-5	4
5M-HH3	Tri-2	2	6	23	3	-	1-6	
5MK9		1	6	13	3	-	5	4
5MQ8	Tri	2	6	24	4	7	1-9	5
"	Pen	2	6	23	4	8	2-3-6	
5R-DDH1	Di-1	2	6	25	4	-	1	5
"	Di-2	2	6	25	4	-	6	
"	Tri	2	6	27	4	-	7-8	
5R-HR1	Tri	2	6	24	4	-	1-9	5
"	Pen	2	6	24	4	-	2-3-6	
5R-K16	Pl-1	2	6	29	4	-	1	5
"	Pl-2	2	6	29	4	-	8	
5U9	Tri	2	7	23	5	-	9-10	6
"	Pen	2	7	21	5	-	3-4-7-8	
5V9	Tri	2	6	21	5	-	8-10	6
"	Pen	2	6	22	5	-	2-3-4-7	
5X9	Tri	2	7	23	5	-	9-10	5-6
"	Pen	2	7	21	5	-	3-4-7-8	

TUBE	SECT	A	B	C	D	E	F	FIL CONT
6AC9								
(Key at 0)	Di	3	7	26	1	3	2	9
	May show short on 3.							
(Key at 7)	Pen	2	7	21	6	-	3-4-5	
6AC10								
(Key at 5)	Tri-1	2	7	22	4	-	1-2	6
(Key at 0)	Tri-2	2	7	22	1	-	5-7	
(Key at 3)	Tri-3	2	7	22	2	-	1-5	
	Use red grid cap.							
6AD10								
(Key at 2)	Pen-1	2	7	22	1	-	5-8-9	3
(Key at 6)	Pen-2	2	7	22	5	-	1-3-4	
6AF9	Pen-1	2	7	22	5	-	1-3-4	6
"	Pen-2	2	7	21	5	-	8-9-10	
	May show short on 2.							
6AF11								
(Key at 0)	Tri-1	2	7	23	1	-	6-8	10
	Tri-2	2	7	25	1	-	3-4	
(Key at 5)	Pen	2	7	25	6	-	2-3-7	4
	Use red grid cap.							
6AG9								
(Key at 0)		2	7	22	1	-	5-7	9
(Key at 6)		2	7	22	5	-	3-4-8	
6AG11								
(Key at 8)	Tri-1	2	7	22	9	-	2-3	7
	Di-1	2	7	24	9	-	5	7
(Key at 2)	Tri-2	2	7	22	3	-	7-8	1
	Di-2	2	7	24	3	-	5	1
6AG12		3	5	7	5	-	8	4-5
6AH9								
(Key at 0)	Tri	2	7	23	1	-	2-3	9
	Must show short on 5-6.							
(Key at 7)	Pen	2	7	21	6	-	2-5-9	8
6AJ9	Tri	2	7	25	5	-	9-10	6
"	Pen	2	7	21	5	-	3-4-7-8	
6AK9								
(Key at 8)	Pen	2	7	25	7	-	3-4	9
	Tri-1	2	7	25	7	-	5-6	
(Key at 0)	Tri-2	2	7	27	9	-	2-3	1
6AK10								
(Key at 0)	Tri-2	2	7	25	1	-	5-7	9
(Key at 6)	Tri-3	2	7	25	5	-	4-8	7
(Key at 8)	Tri-1	2	7	24	7	-	4-5	9
6AL3		2	7	23	4	*	9	5
	*1-2-3-6-7-8							
	May show short on 1-2-3-6-7-8-9.							
	Use red grid cap.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
6AL9								
(Key at 2)	Tri	2	7	24	1	-	7-9	3
(Key at 5)	Pen	2	7	25	4	-	2-3-7-9	6
6AL11								
(Key at 2)	Pen-1	2	7	24	1	-	5-6-8-9	3
(Key at 6)	Pen-2	2	7	23	5	-	1-3-4	7
	Use red grid cap.							
6AM5		2	7	25	3	-	1-5-7	4
6AN6	Di-1	3	7	30	1	-	2	7
"	Di-2	3	7	30	1	-	3	
"	Di-3	3	7	30	1	-	4	
"	Di-4	3	7	30	1	-	5	
	Read on Diode Special Arc.							
6AQ4		2	7	22	3	-	1-6-7	4
	Must show short on 1-2-5-6.							
6AQ8	Tri-1	2	7	26	4	-	6-7	5
"	Tri-2	2	7	26	4	-	1-2	
6AR8	Pen-1	2	7	25	4	-	3-6-9	5
"	Pen-2	2	7	25	4	-	3-6-8	
6AR11								
(Key at 2)	Pen-2	2	7	21	3	-	4-5-6-7	1
(Key at 8)	Pen-1	2	7	21	9	-	2-3-4-5	7
6AS11								
(Key at 0)	Tri-1	2	7	23	1	-	6-8	1(
	Tri-2	2	7	24	1	-	3-4	10
(Key at 5)	Pen	2	7	22	6	-	2-3-7	4
	Use red grid cap.							
6AV11								
(Key at 5)	Tri-1	2	7	26	6	-	1-2	4
	Tri-3	2	7	26	6	-	3-7	
(Key at 2)	Tri-2	2	7	26	3	-	7-9	1
6AX3								
(Key at 5)		2	7	24	6	2	9	4
	Must show short on 2-9. Use red grid cap.							
6AX8	Tri	2	7	24	4	-	1-9	5
"	Pen	2	7	24	4	-	2-3-6	
6AY3		1	7	5	4	2	7	5
	Must show short on 2-7.							
6AY11								
(Key at 0)	Di-2	2	7	25	1	-	3	1(
	Tri-2	2	7	24	1	-	5-6	
	Tri-1	2	7	26	1	-	7-8	
(Key at 4)	Di-1	2	7	25	3	-	1	5
	Use red grid cap.							
6B10								
(Key at 0)	Tri-1	2	7	24	1	-	5-6	1(
	Tri-2	2	7	24	1	-	3 -4	
(Key at 6)	Di-1	3	7	29	7	-	3	
	Di-2	3	7	29	7	-	1	
	Use red grid cap.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
6B32	Di-1	3	7	30	3	-	2	4
"	Di-2	3	7	30	3	-	1-5-6-7	4
	Read on Diode Special Arc.							
6BA3		1	7	4	5	7	2	5
	May show short on 2-7.							
6BA11								
(Key at 4)	Pen-1	2	7	23	3	-	6-7-8	5
(Key at 0)	Pen-2	2	7	25	1	-	3-4-6-10	10
(Key at 8)	Tri	2	7	26	7	-	4-6	9
	Use red grid cap.							
6B-B14*		2	7	21	4	2-7	1-6-9	5
	Must show short on 1-2-3-6-7-8.							
	Cap goes to top of tube.							
	*Must use magnoval adapter.							
6BD11								
(Key at 0)	Tri-2	2	7	25	1	-	2-3	10
	Tri-1	2	7	23	1	-	6-8	
(Key at 5)	Pen	2	7	24	4	-	2-3-7	6
	Use red grid cap.							
6BE3								
(Key at 2)		2	7	22	1	6	10	3
	Must show short on 6-10. Use red grid cap.							
6BE7		2	7	24	4	-	1-6-7	5
	Must show short on 3-8							
6BF8	Di-1	2	7	24	4	-	9	5
"	Di-2	2	7	24	4	-	8	
"	Di-3	2	7	24	4	-	7	
"	Di-4	2	7	24	4	-	3	
"	Di-5	2	7	24	4	-	2	
"	Di-6	2	7	24	4	-	1	
6BF11								
(Key at 0)	Sect-1	2	7	28	1	-	3-5-6-7	10
(Key at 8)	Sect-2	2	7	22	7	-	3-5-6	9
	Use red grid cap.							
6BH11								
(Key at 0)	Tri-1	2	7	21	1	-	3-4	9
	Tri-2	2	7	21	1	-	6-7	
(Key at 7)	Pen	2	7	21	6	-	2-3-4	
6BJ3								
(Key at 0)		2	7	23	1	-	4	10
	Use red grid cap.							
6BK4		2	7	35	2	-	5-9	7
	Must show short on 1-3-4-6-8.							
6BK8		2	7	26	4	-	1-6-9	5
	May show short on 2-7.							
6BK11								
(Key at 5)	Tri-1	2	7	26	6	-	1-2	4
	Tri-3	2	7	26	6	-	3-7	4
(Key at 2)	Tri-2	2	7	26	3	-	7-9	1

TUBE	SECT	A	B	C	D	E	F	FIL CONT
6BN11								
(Key at 7)	Pen-1	2	7	20	6	-	1-3-5	8
(Key at 2)	Pen-2	2	7	20	1	-	5-6-7	
6BR3		3	7	26	4	2	9	5
	May show short on 2-9. Use red grid cap.							
	Read on Diode Special Arc.							
6BR7	Tri	2	5	23	9	9	1-2	4-5-9
"	Di-1	3	5	26	9	-	7	
"	Di-2	3	5	26	9	-	6	
6BS3		3	7	25	4	-	2-7	5
	Must show short on 2-7. Read on Diode Special Arc							
6BT6	Tri	2	7	26	3	-	1-7	
"	Di-1	3	7	37	3	-	5	
"	Di-2	3	7	37	3	-	6	
	Read on Diode Special Arc.							
6BV11								
(Key at 7)	Pen-1	2	7	22	6	-	1-3-4	8
(Key at 2)	Pen-2	2	7	22	1	-	5-6-8	
6BW3								
(Key at 0)		3	7	25	1	-	4	9
	Read on Diode Scale.							
6BW6		2	7	26	4	1	2-7-8	5
	Must show short on 1-2.							
6BW11								
(Key at 7)	Pen-1	2	7	21	6	-	2-3-4	8
(Key at 2)	Pen-2	2	7	20	1	-	5-6-7	9
6BY8	Pen	2	7	23	4	-	1-7-8	5
"	Di	2	7	24	4	-	6	
6BY11								
(Key at 0)	Pen-1	2	7	22	1	-	3-5-6-7	10
(Key at 8)	Pen-2	2	7	22	7	-	3-5-6	9
	Use red grid cap.							
6BZ3								
(Key at 0)		3	7	25	1	-	4	9
	Read on Diode Special Arc.							
6C9	Tet-1	2	7	23	4	-	7-8-9	5
"	Tet-2	2	7	24	4	-	1-2-3	
	Use red grid cap.							
6C10								
(Key at 0)	Tri-2	2	7	26	1	-	5-7	10
(Key at 5)	Tri-1	2	7	26	6	-	1-2	
	Tri-3	2	7	26	6	-	3-7	
	Use red grid cap.							
6CA11								
(Key at 0)	Tri-1	2	7	25	1	-	2-3	9
	May show short on 5.							
	Tri-2	2	7	24	1	-	4-6	
(Key at 8)	Pen	2	7	24	7	-	3-5-6	9

TUBE	SECT	A	B	C	D	E	F	FIL CONT
6CD3								
(Key at 3)		2	7	21	1	-	4	9
6CE3								
(Key at 0)		2	7	20	1	-	4	9
6CF8		2	7	26	4	-	1-6-9	5
	Must show short on 2-7.							
6CG3								
(Key at 0)		3	7	25	1	-	4	9
	Read on Diode Special Arc.							
6CG8	Tri	2	7	22	4	-	1-2	5
"	Pen	2	7	21	4	-	6-7-9	
	Must show short on 3-8.							
	Cathode short test - throw 3-8 together.							
6CH3		2	7	21	4	2	7	5
	Must show short on 2-7.							
6CJ3		2	7	21	5	7	2	5
	Must show short on 2-7.							
6CJ5		2	7	25	1	-	2-5-6	8
	May show short on 3-7.							
6CJ6		2	7	21	4	7	2-8-10	5
	Must show short on 1-6-7-8-9. Use red grid cap.							
6CK3		3	7	26	4	2	7	5
	Must show short on 2-7. Read on Diode Special Arc.							
6CK5		2	7	24	1	-	2-5-6	8
	Must show short on 3-7.							
	Cathode short test - throw 3-7 together.							
6CK6		2	7	23	4	-	1-2-7	5
6CL3		3	7	25	4	2	7	5
	Must show short on 2-7. Read on Diode Special Arc.							
6CM3		3	7	30	4	2	7	5
	Must show short on 2-7. Read on Diode Special Arc.							
6CM4		2	7	20	4	6-8	1-2-9	5
	Must show short on 1-2-3-6-7-8-9.							
	Cathode short test - throw 3-7 together.							
6CM5		1	7	2	2	1-3	4-5-9	7
	Must show short on 1-3-4-8.							
	Cathode short test - throw 3-8 together.							
6CR8	Tri	2	7	23	4	-	1-9	5
"	Pen	2	7	22	4	-	2-6-7	
6CT3		3	7	30	4	2	6	5
	Must show short on 2-6. Read on Diode Special Arc.							
6CY7	Sect-1	2	7	27	4	-	6-7	5
"	Sect-2	2	7	22	4	2	1-3	
	May show short on 2-3.							
6D10								
(Key at 0)	Tri-2	2	7	22	1	-	5-7	10
(Key at 5)	Tri-1	2	7	22	6	-	1-2	
	Tri-3	2	7	22	6	-	3-7	
	Use red grid cap.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
6DE7	Tri-1	1	7	11	4	-	6-7	5
"	Tri-2	2	7	22	4	2	1-2-3	
	Must show short on 2-3.							
6DL3		2	7	24	4	2	7	5
6DL4		2	7	21	4	1-3-6-7	8-9	5
	Must show short on 1-3-6-7-9.							
6DM4		1	7	5	7	2	5	8
6DN3		2	7	23	5	2	7	4-5
	Must show short on 2-7.							
6DQ4		3	7	25	7	-	5	8
	Read on Diode Special Arc.							
6DR4		2	7	25	3	1	5-6	4
	Must show short on 1-5.							
6DR7	Tri-1	1	7	9	4	-	6-7	5
"	Tri-2	2	7	22	4	2	1-3	
	Must show short on 2-3.							
6DS4		3	7	44	4	-	1-2	5
	Use red grid cap.							
6DS5		2	7	24	3	7	1-5-6	4
	Must show short on 1-7.							
6DT3								
(Key at 0)		3	7	25	1	-	4	9
	Read on Diode Special Arc.							
6DT4		1	7	4	7	1	5	8
	May show short on 1-5.							
6DV4		2	7	20	3	1-4	2-6	5
	Must show short on 1-2-4-6.							
6DW4		1	7	4	5	-	2-7	4
	May show short on 2-7.							
6DY5		2	7	24	4	-	2-7-9	5
6DZ4		2	7	24	3	1-2	6-7	3-4
	Must show short on 1-2-6-7.							
6DZ8	Tri	2	7	26	4	-	1-9	5
"	Pen	2	7	25	4	-	3-6-7	
6EA4								
(Key at 2)		3	7	31	1	-	8-9	3
	Must show short on 4-7. Cap goes to top of tube.							
	Read on Diode Special Arc.							
6EC4*		2	7	20	4	7-8	2	5
	Must show short on 2-7-8. Cap goes to top of tube.							
	*Must use magnoval adapter.							
6ED4*		2	7	32	4	-	8-10	5
	Must show short on 1-2-3-6-7-9.							
	Red cap goes to top of tube.							
	*Must use magnoval adapter.							
6EF4								
(Key at 3)		2	7	35	2	-	9-10	4
	Red cap goes to top of tube.							

SAME AS 6AQ8 → 6EY7 2-7-26 + 12AND 67

TUBE	SECT	A	B	C	D	E	F	FIL CONT
6EH4								
(Key at 2)		3	7	31	1	-	8-9	3
	Must show short on 4-7. Cap goes to top of tube.							
	Read on Diode Special Arc.							
6EJ4								
(Key at 3)		2	7	36	2	-	9-10	4
	Must show short on 1-5. Red cap goes to top of tube.							
6EL4		2	7	35	2	-	5-9	7
	Must show short on 1-3-4-6-8.							
6EN4		2	7	36	2	3-4-8	5-6-9	2-7
	Cathode short test - throw 1-3-4-8 together.							
6EX6		2	7	22	2	-	5-8-9	7
6FD6		2	7	23	3	-	1-2-5-6	4
6FD10		3	6	6	8	7	3	4
6FJ7								
(Key at 6)	Tri-1	1	7	11	7	-	3-4	5
(Key at 0)	Tri-2	1	7	5	1	-	3-5	
	Use red grid cap.							
6FM7								
(Key at 7)	Tri-1	2	7	25	6	-	4-5	8
(Key at 2)	Tri-2	2	7	22	1	-	5-7	3
	Use red grid cap.							
6FQ7	Tri-1	1	7	9	4	-	6-7	5
"	Tri-2	1	7	9	4	-	1-2	
6FR7	Tri-1	1	7	8	4	-	6-7	5
"	Tri-2	2	7	21	4	2	1-3	
	Must show short on 2-3.							
6FY7								
(Key at 5)	Tri-1	1	7	10	6	-	2-3	4
(Key at 2)	Tri-2	2	7	22	3	-	5-7	
	Use red grid cap.							
6G11								
(Key at 6)	Pen-1	2	7	22	7	-	1-3-4	5
(Key at 2)	Pen-2	2	7	25	1	-	5-6-8-9	3
6GA7								
(Key at 4)	Di	2	7	24	3	-	2	3-5
	Must show short on 6-7.							
(Key at 0)	Pen	2	7	35	1	3	2-3-7	1-9
	Must show short on 2-3.							
6G-B3		2	7	22	2	-	4-5-9	7
6GB5*		2	7	21	4	2-7-8	1-6-10	5
	Must show short on 1-2-3-6-7-8.							
	Cathode short test - throw 3-8 together.							
	Red grid cap goes to top of tube.							
	*Must use magnoval adapter.							
6G-B6		2	7	25	2	-	4-5-9	7
6G-B7		1	7	4	2	-	4-5-9	7

TUBE	SECT	A	B	C	D	E	F	FIL CONT
6GD7	Tri	2	7	20	4	-	1-2	5
"	Pen	1	7	21	4	-	6-7-9	
	Must show short on 3-8.							
	Cathode short test - throw 3-8 together.							
6GE5								
(Key at 5)		2	7	22	6	-	3-7-8-10	4
	Must show short on 2-3-8-9. Use red grid cap.							
	Cathode short test - throw 2-9 together.							
6GF5								
(Key at 5)		2	7	22	6	-	3-7-8-10	4
	Must show short on 2-3-8-9. Use red grid cap.							
	Cathode short test - throw 2-9 together.							
6GF7	Tri-1	2	7	28	4	-	8-9	5
"	Tri-2	2	7	22	4	-	2-6	
6GJ5		2	7	24	4	1-2	6-7-10	5
	Red grid cap goes to top of tube.							
6GJ7	Tri	2	7	22	4	-	8-9	5
"	Pen	2	7	21	4	-	2-6-7	
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together.							
6GK6		2	7	24	4	-	2-7-8	5
	Must show short on 3-9.							
6G-K17		2	7	22	7	-	5	8
6GL7	Tri-1	2	7	25	7	-	4-5	8
"	Tri-2	2	7	22	7	-	1-2	
6GM5		2	7	24	4	-	1-6-9	5
6GM8	Tri-2	2	7	23	4	-	6-7	5
"	Tri-2	2	7	23	4	-	1-2	
6GN8	Tri	2	7	23	4	-	2-3	5
"	Pen	2	7	22	4	-	7-8-9	
6GQ7	Di-1	3	7	26	4	-	8	5
"	Di-2	3	7	26	4	-	6	
"	Di-3	3	7	26	4	-	2	
	Read on Diode Special Arc.							
6GS7	Tri	2	7	22	4	-	1-2	5
"	Pen	2	7	21	4	-	6-7-9	
	Must show short on 3-8.							
	Cathode short test - throw 3-8 together.							
6GT5		2	7	23	4	1-2	6-7-9	5
	Must show short on 1-2-6-7.							
6GU5		2	7	22	3	2	1-5-6	4
	Must show short on 2-7.							
6GU7	Tri-1	2	7	24	4	-	6-7	5
"	Tri-2	2	7	24	4	-	1-2	
6GV5								
(Key at 4)		2	7	22	3	1-2	7-9-10	5
	Red grid cap goes to top of tube.							
	Must show short on 1-2-7-8.							
	Cathode short test - throw 1-8 together.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
6GV7	Tri	2	7	23	4	-	1-9	5
"	Pen	2	7	21	4	-	2-3-7	
	Must show short on 6-8.							
	Cathode short test - throw 1-3 together.							
6GV8	Tri	2	7	24	4	-	1-2	5
"	Pen	2	7	22	4	-	6-7-9	
6GW5		2	7	20	3	6	1-2	4
	Must show short on 2-6.							
6GW6		2	7	22	2	-	4-5-9	7
6GW8	Tri	2	7	26	4	-	1-9	5
"	Pen	2	7	23	4	-	3-6-8	
6GX6		2	7	23	3	-	1-5-6-7	4
6GX7	Tri	2	7	22	4	-	8-9	5
"	Pen	2	7	21	4	-	2-6-7	
	Must show short on 1-3.							
	Cathode Short test - throw 1-3 together.							
6GX8	Tri	2	7	22	4	-	1-8	5
"	Eye	5	7	0	4	-	6-7	
	See instructions for eye test.							
6GY5 (Key at 4)		2	7	23	3	7	2-9-10	5
	Must show short on 1-2-7-8.							
	Cathode short test -throw 1-8 together.							
	Red grid cap goes to top of tube.							
6GY6		2	7	21	3	-	1-5-6-7	4
6GY8	Tri-1	2	7	28	4	7	6	5
"	Tri-2	2	7	22	4	8	3-9	
"	Tri-3	2	7	26	4	-	1-2	
6GZ5		2	7	21	3	2	5-6-7	4
	Must show short on 2-5.							
6HA5		2	7	21	3	2	1-5	4
	Must show short on 2-7.							
	Cathode short test - throw 2-7 together.							
6HA6		2	7	22	4	6	2-7-8	5
	Must show short on 3-6-8-9.							
6HB5 (Key at 0)		2	7	22	1	-	2-3-7	10
	Use red grid cap.							
6HB6		2	7	22	4	3-6	2-7-8-9	5
	May show short on 3-6-8-9.							
6HB7	Tri	2	7	21	4	1	8-9	5
"	Pen	2	7	22	4	1	2-6-7	
	Must show short on 1-3.							
6HC8	Tri	2	7	25	4	-	1-9	5
"	Pen	2	7	25	4	-	3-6-7	
6HD5 (Key at 0)		2	7	21	1	9	3-5-7	10
	Must show short on 5-9.							
	Use red grid cap.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
6HD7	Tri	2	7	22	4	-	8-9	5
"	Pen	2	7	22	4	-	2-6-7	
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together.							
6HE5								
(Key at 2)		2	7	25	3	10	4-5-8	1-3
	Must show short on 5-10. Use red grid cap.							
6HE7								
(Key at 0)	Di	3	7	25	1	-	2	9
	Read on Diode Special Arc.							
(Key at 8)	Caution: Throw lever #5 to E before inserting tube.							
	Pen	2	7	21	7	5	4-6	9
6HF5								
(Key at 4)		2	7	23	3	2	7-9-10	5
	Must show short on 1-2-7-8.							
	Red grid cap goes to top of tube.							
	Cathode short test - throw 1-8 together.							
6HF8	Tri	2	7	24	4	-	2-3	5
"	Pen	2	7	22	4	-	7-8-9	
6HG5		1	7	7	3	1	5-6-7	4
	Must show short on 1-7.							
6HJ5								
(Key at 0)		2	7	22	1	9	3-5-7	10
	Must show short on 5-9. Use red grid cap.							
6HJ7	Tri	2	7	20	4	-	8-9	5
"	Pen	2	7	21	4	-	2-6-7	
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together.							
6HJ8	Pen	2	7	22	4	-	2-3-6-9	5
"	Di	2	7	24	4	-	8	
6HK5		2	7	21	3	2	1-5	4
	Must show short on 2-7.							
	Cathode short test - throw 2-7 together.							
6HL5		2	7	22	4	1	2-7-9	5
	Must show short on 1-2.							
6HL7		2	7	21	6	-	2-7-8	4 -5
	Must show short on 3-9.							
6HL8	Tri	2	7	22	4	-	1-9	5
"	Pen	2	7	21	4	-	2-3-6	
6HM5		2	7	22	3	2	1-5	4
	Must show short on 2-7.							
	Cathode short test - throw 2-7 together.							
6HM6		2	7	21	4	-	2-7-8-9	5
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together.							
6HQ5		2	7	21	3	2	1-5	4
	Must show short on 2-7.							
	Cathode short test - throw 2-7 together.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
6HR5		1	7	7	3	1	5-6-7	4
	Must show short on 1-7.							
6HR6		2	7	22	3	-	1-5-6	5
6HS5								
(Key at 0)		2	7	21	1	-	2-7	10
	Use red grid cap.							
6HS6		2	7	22	3	-	1-2-5-6	4
6HT5								
(Key at 3)		2	7	32	2	-	9-10	4
	Must show short on 1-5-7.							
	Red cap goes to top of tube.							
6HT6		2	7	22	4	3	2-7-8	5
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together.							
6HU6	Tri	2	7	30	4	-	1-9	5
"	Eye	4	7	0	4	2-8	6-7	
	See instructions for eye test.							
	Must show short on 2-6-8.							
6HU8	Pen-1	2	7	23	4	-	1-2-3	5
"	Pen-2	2	7	23	4	-	6-8-9	
6HV5								
(Key at 0)		2	7	21	1	-	2-7	10
	Use red grid cap.							
6HW8		2	7	23	4	-	*	5
	*Throw F to 1-2-3-6-8-9.							
6HZ5								
(Key at 0)		2	7	23	1	-	2-7	10
	Use red grid cap.							
6HZ6		2	7	21	3	-	1-5-6	4
6J9	Tri-1	2	7	21	4	-	7-8	5
"	Tri-2	2	7	21	4	-	6-9	
"	Tri-3	2	7	21	4	-	1-2	
	Use red grid cap.							
6J10								
(Key at 6)	Sect-1	2	7	22	5	1	2-4-8	7
(Key at 0)	Sect-2	4	7	32	9	-	4-5-6-7	1
6J11								
(Key at 2)	Pen-2	2	7	21	3	-	4-5-6-7	1
(Key at 8)	Pen-1	2	7	21	9	-	2-4-5-6	7
6JA5								
(Key at 2)		2	7	25	3	10	4-5-8	1-3
	Must show short on 5-10. Use red grid cap.							
6JA8	Tri	2	7	23	4	-	2-3	5
"	Tet	2	7	21	4	-	7-8-9	
6JB5								
(Key at 2)		2	7	25	3	10	4-5-8	1-3
	Must show short on 5-10. Use red grid cap.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
6JB6		2	7	22	4	1-2	6-7-10	5
	Must show short on 1-2-6-7.							
	Red grid cap goes to top of tube.							
6JC5								
(Key at 2)		2	7	26	1	-	*	3
	Must show short on 5-9.							
	*4-5-8-9							
6JC6		2	7	22	4	-	2-7-8	5
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together.							
6JC8	Tri	2	7	22	4	7	8-9	5
"	Pen	2	7	22	4	-	2-3-6	
	Cathode short test - throw 1-7 together.							
6JD5								
(Key at 0)		2	7	23	1	-	2-7	10
	Use red grid cap.							
6JD6		2	7	22	4	-	2-7-8	5
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together.							
6JE6		2	7	23	4	1-2	6-7-8-10	5
	Must show short on 1-2-6-7.							
	Red cap goes to top of tube.							
6JF6		2	7	22	4	1-2	6-7-9	5
	Must show short on 1-2-6-7.							
	Black cap goes to top of tube.							
6JG5		2	7	23	4	-	7-8-9	5
6JG6		2	7	21	4	1	2-7-9	5
	Must show short on 1-7.							
6JH5								
(Key at 0)		2	7	24	1	5-6-8	2-3-7	9
	Must show short on 7-8.							
6JH6		2	7	22	3	-	1-5-6-7	4
6JH8	Sect-1	2	7	24	4	-	3-6-9	5
"	Sect-2	2	7	23	4	-	3-6-8	
6JK5								
(Key at 0)		2	7	24	1	5-6-8	2-3-7	9
	Must show short on 7-8.							
6JK6		2	7	21	3	-	1-5-6	4
6JK8	Tri-1	2	7	23	4	-	6-7	5
"	Tri-2	2	7	22	4	-	1-2	
6JL6		2	7	22	3	-	1-5-6	4
6JM6								
(Key at 3)		2	7	22	2	-	7-8-9	4
	Black cap goes to top of tube.							
6JN6								
(Key at 5)		2	7	21	4	2	3-8-9	6
	Must show short on 2-9.							
6JN8	Tri	2	7	21	4	-	1-2	5
"	Pen	2	7	20	4	-	6-7-9	

TUBE	SECT	A	B	C	D	E	F	FIL CONT
6JQ6	Pen	1	7	5	5	2-8	1-3-7	4
"	Di	2	7	22	5	-	6	
	Must show short on 7-8. May show short on 2-3.							
6JR6		2	7	23	4	1	2-7-9	5
	Must show short on 1-7.							
6JS6								
(Key at 3)		2	7	21	2	1	6-8-9	4
	Must show short on 1-6.							
	Black cap goes to top of tube.							
6JT6		2	7	23	4	1	2-7-9	5
	Must show short on 1-7.							
6JT8	Tri	2	7	24	4	-	2-3	5
"	Pen	2	7	21	4	-	7-8-9	
6JU6		2	7	21	4	1-2	6-7-10	5
	Must show short on 1-2-6-7.							
	Black cap goes to top of tube.							
6JU8	Di-1-2	2	7	27	4	8	7	5
"	Di-3-4	2	7	27	4	2	1	
	Cathode short test - throw 1-2 together.							
	Cathode short test - throw 7-8 together.							
6JV8	Tri	2	7	26	4	-	2-3	5
"	Pen	2	7	22	4	-	7-8-9	
6JW8	Tri	2	7	23	4	-	1-9	5
"	Pen	2	7	21	4	-	2-3-6	
6JX8	Tri	2	7	24	4	-	8-9	5
"	Hep	2	7	24	4	-	2-6-7	
6JY8	Tri	2	7	23	4	-	2-3	5
"	Pen	2	7	24	4	-	7-8-9	
6JZ6								
(Key at 3)		2	7	22	2	-	7-8-9	4
	Black cap goes to top of tube.							
6JZ8								
(Key at 8)	Pen	2	7	23	9	1	2-3-10	7
	Must show short on 1-2.							
(Key at 5)	Tri	2	7	26	6	-	2-7	4
	Use red grid cap.							
6K11								
(Key at 0)	Tri-2	1	7	8	1	-	5-7	10
(Key at 5)	Tri-1	1	7	8	6	-	1-2	
	Tri-3	1	7	8	6	-	3-7	
	Use red grid cap.							
6KA8	Tri	2	7	24	4	-	1-2	5
"	Pen	2	7	22	4	-	6-7-8-9	
6KD6								
(Key at 4)		2	7	21	3	2	7-9-10	5
	Must show short on 1-2-7-8. Cap goes to top of tube.							
6KD8	Tri	2	7	23	4	-	1-9	5
"	Pen	2	7	23	4	-	2-3-6	
6KE8	Tri	2	7	22	4	-	1-9	5
"	Pen	2	7	22	4	-	2-3-6	

TUBE	SECT	A	B	C	D	E	F	FIL CONT
6KF8	Pen-1	2	7	22	4	-	2-7-8	5
"	Pen-2	2	7	22	4	-	2-3-7	
6KG6*		2	7	20	4	1-3	6-8-10	5
	Must show short on 1-2-3-6-7-8.							
	Red cap goes to top of tube.							
	*Must use magnoval adapter.							
6KG8*		2	7	20	4	1-3	6-8-10	5
	Must show short on 1-2-3-6-7-8.							
	Red cap goes to top of tube.							
	*Must use magnoval adapter.							
6KL8	Pen	2	7	24	4	-	1-2-6-7	5
"	Di	3	7	36	4	-	8	
	Diode-Read on diode arc.							
6KM6		2	7	19	4	1-2	6-7-9	5
	Must show short on 1-2-6-7.							
	Black cap goes to top of tube.							
6KM8	Di	3	7	36	4	-	3	5
"	Tet-1	2	7	25	4	-	1-7-8	
"	Tet-2	2	7	25	4	-	2-7-8	
"	Tet-3	2	7	25	4	-	7-8-9	
	Read on Diode Special Arc.							
6KN6 (Key at 6)		2	7	21	5	4	2-9-10	7
	Must show short on 4-9. Use red grid cap.							
6KN8	Tri-1	2	7	21	4	-	6-7	5
"	Tri-2	2	7	21	4	-	1-2	
6KR8	Tri	2	7	21	4	-	2-3	5
"	Pen	2	7	21	4	-	7-8-9	
6KS6		3	7	48	3	-	2-5-6-7	4
	Read on Diode Special Arc.							
6KS8	Tri	2	7	25	4	-	2-3	4-5
"	Pen	2	7	23	4	-	7-8-9	
6KT6		2	7	22	4	-	2-7-8	5
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together.							
6KT8	Tri	2	7	21	4	-	2-3	5
"	Pen	2	7	21	4	-	7-8-9	
6KU8	Di-1	3	7	34	4	2	3	5
"	Di-2	3	7	34	4	3	2	
"	Pen	2	7	22	4	-	7-8-9	
6KV6		2	7	21	4	1	2-7-9	5
	Must show short on 1-7.							
6KV8	Tri	2	7	23	4	-	2-3	5
"	Pen	2	7	21	4	-	7-8-9	
6KX8	Tri-1	2	7	25	4	-	7-9	5
"	Tri-2	2	7	25	4	-	1-3	
6KY6		2	7	21	4	-	2-7-8	5
	Must show short on 3-9.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
6KY8	Tri	2	7	25	4	-	8-9	5
"	Pen	1	7	22	4	-	2-6-7	
6KZ8	Pen	2	7	22	4	-	2-6-7	5
"	Tri	2	7	23	4	-	1-9	
6LB6								
(Key at 4)		2	7	22	3	2	7-9-10	5
	Must show short on 1-2-7-8.							
	Red cap goes to top of tube.							
6LB8	Tri	2	7	30	4	-	2-3	5
"	Pen	2	7	21	4	-	7-8-9	
6LC6		2	7	37	2	-	5-9	7
	May show short on 1-3-4.							
6LC8	Tri	2	7	24	4	-	1-2	5
"	Pen	2	7	22	4	-	6-8-9	
6LD6		2	7	20	4	6	2-7-8	5
	Must show short on 3-6-8-9.							
6LE8	Pen-1	2	7	22	4	-	1-8-9	5
"	Pen-2	2	7	22	4	-	6-8-9	
6LF6								
(Key at 4)		2	7	22	3	2	7-9-10	5
	Must show short on 1-2-7-8. Cap goes to top of tube.							
6LF8	Tri	2	7	25	4	-	2-3	5
"	Pen	2	7	23	4	-	7-8-9	
6LG6								
(Key at 4)		2	7	24	3	7	2-9	5
	Must show short on 1-2-7-8.							
6LH6		2	7	34	2	-	5-9	7
	May show short on 1-3-4.							
6LJ6		2	7	37	2	-	5-9	7
	May show short on 1-3-4.							
6LJ8	Tri	2	7	22	4	-	1-2	5
"	Pen	2	7	21	4	-	6-7-9	
	Must show short on 3-8.							
	Cathode short test - throw 3-8 together.							
6LM8	Tri	2	7	22	4	-	1-9	5
"	Pen	2	7	22	4	-	2-3-6	
6LN8	Tri	2	7	24	4	-	1-9	5
"	Pen	2	7	23	4	-	2-3-6	
6LQ6		2	7	23	4	1-2	6-7-8-10	5
	Must show short on 1-2-6-7.							
	Red cap goes to top of tube.							
6LQ8	Tri	2	7	21	4	-	2-3	5
"	Pen	2	7	21	4	-	7-8-9	
6LR6								
(Key at 3)		2	7	25	2	1	6-8-9	4
	Must show short on 1-6.							
	Black cap goes to top of tube.							
6LR8	Tri	2	7	24	4	-	8-9	5
"	Pen	2	7	22	4	-	2-6-7	

TUBE	SECT	A	B	C	D	E	F	FIL CONT
6LT8	Di-1	3	7	26	4	-	8	5
"	Di-2	3	7	26	4	-	6	
"	Pen	2	7	20	4	-	2-3-9	
	May show short on 1.							
6LU6		2	7	24	3	-	*	4
	*1-5-6-7.							
6LU8								
(Key at 5)	Tri	2	7	21	6	-	2-7	4
	Use red grid cap.							
(Key at 8)	Pen	2	7	21	9	1	2-3-10	7
	Must show short on 1-2.							
6LV6								
(Key at 4)		2	7	22	3	2	7-9-10	5
	Must show short on 1-2-7-8.							
	Cap goes to top of tube.							
6LX6								
(Key at 3)		2	7	21	2	1	6-8-9	4
	Must show short on 1-6.							
	Black cap goes to top of tube.							
6LX8	Tri	2	7	23	4	-	1-9	5
"	Pen	2	7	22	4	-	2-3-6	
6LY8	Tri	2	7	23	4	-	2-3	5
"	Pen	2	7	21	4	-	7-8-9	
6LZ6		2	7	25	4	1-2	6-7-9	5
	Must show short on 1-2-6-7.							
6M11								
(Key at 0)	Tri-1	2	7	22	1	-	7-8	10
	Tri-2	2	7	22	1	-	5-6	
(Key at 4)	Pen	2	7	22	5	-	2-6-7	3
	Use red grid cap.							
6MA6		2	7	38	3	1-2-4-5	6-9	2-4-5-8
6MB6								
(Key at 5)		2	7	24	6	8-9	1-2-3-10	4
	Must show short on a 2-3-8-9.							
	Red grid cap goes to top of tube.							
6MB8	Tri	2	7	22	4	-	1-2	5
"	Pen	2	7	21	4	-	6-7-9	
6MC6		2	7	24	4	6-7	1-2-9	5
	Must show short on 1-2-6-7.							
	Red grid cap goes to top of tube.							
6MD8	Tri-1	2	7	22	4	-	3-6	5
"	Tri-2	2	7	23	4	-	2-8	
"	Tri-3	2	7	23	4	-	1-9	
6ME6		2	7	23	4	6-7	1-2-9	5
	Must show short on 1-2-6-7.							
	Grid cap goes to top of tube.							
6ME8	Sect-1	2	7	22	4	-	3-6-9	4
"	Sect-2	2	7	22	4	-	3-6-8	

TUBE	SECT	A	B	C	D	E	F	FIL CONT
6MF8								
(Key at 8)	Pen	2	7	23	9	1	2-3-10	7
	Must show short on 1-2.							
(Key at 5)	Tri	2	7	22	6	-	2-7	4
	Use red grid cap.							
6MG8	Tri	2	7	22	4	-	1-9	5
"	Pen	2	7	22	4	-	2-3-6	
6M-HH3	Tri-1	2	7	24	3	-	2-5	4
"	Tri-2	2	7	24	3	-	1-6	
6MJ8								
(Key at 0)	Tri-1	2	7	23	1	-	6-8	9
(Key at 4)	Tri-2	2	7	25	3	-	1-8	
	Tri-3	2	7	25	3	-	2-6	
6MK8	Pen-1	2	7	23	4	-	2-3-7	5
"	Pen-2	2	7	23	4	-	2-7-8	
6ML4		2	7	23	3	1-2	6-7	4
	Must show short on 1-2-6-7.							
	Plate short test - throw 1-7 together.							
	Grid short test - throw 2-6 together.							
6MN8								
(Key at 6)	Tri-1	2	7	24	7	-	4-8	5
(Key at 5)	Tri-2	2	7	24	6	-	2-9	
(Key at 0)	Tri-3	2	7	24	1	-	6-8	
6M-P17		2	7	26	3	-	1-5-6	4
6M-P18		1	7	3	3	1	5-6-7	4
	May show short on 1-7.							
	Grid short test - throw 1-7 together.							
6M-P20		2	6	25	3	-	1-5-6	4
6MQ8	Tri	2	7	23	4	7	1-9	5
"	Pen	2	7	23	4	8	2-3-6	
6MU8	Tri	2	7	24	4	-	1-9	5
"	Pen	2	7	24	4	-	2-3-6	
6MV8	Pen	2	7	24	4	-	7-8-9	
"	Tri	2	7	24	4	-	2-3	5
6MY8								
(Key at 5)	Tri	2	7	21	6	-	2-7	4
(Key at 8)	Pen	2	7	21	9	-	2-3-10	7
	Must show short on 1-2. Use red grid cap.							
6N3		2	7	24	4	-	9	5
6Q11								
(Key at 5)	Tri-1	2	7	25	6	-	1-2	4
	Tri-3	2	7	25	6	-	3-7	4
(Key at 2)	Tri-2	2	7	25	3	-	7-9	1
6R3		2	7	23	4	2	9	5
	May show short on all pins. Use red grid cap.							
6R4		2	7	24	4	-	1-8	5
6RA6		2	7	25	5	7	2-9	4
	Must show short o n 2-7.							
	Grid short test - throw 2-7 together.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
6RA9		2	7	24	4	7	2-9	5
	Must show short on 2-7.							
	Grid short test - throw 2-7 together.							
6RB11		2	7	25	4	6	1-3-9	4-5
	Must show short on 3-6.							
6R-HH2	Tri-1	2	7	24	4	-	6-7	5
"	Tri-2	2	7	24	4	-	1-2	
6R-HH8	Tri-1	2	7	21	4	-	6-7	5
"	Tri-2	2	7	21	4	-	1-2	
6R-K19		3	7	28	4	2	9	5
	May show short on 2-9. Use red grid cap.							
	Read on Diode Special Special Scale.							
6R-P15		2	7	25	4	1	2-7-9	5
	Must show short on 1-2.							
6R-P22		2	7	21	4	9	2-3-6-8	5
6T9								
(Key at 4)	Tri	2	7	24	3	-	6-8	5
(Key at 8)	Pen	1	7	4	7	-	3-5-6	9
	Use red grid cap.							
6T10								
(Key at 2)	Sect-2	2	7	26	1	-	5-6-8-9	3
(Key at 6)	Sect-1	2	7	23	5	-	1-3-4	7
6U3		2	7	24	4	-	9	5
6U9	Tri	2	7	23	5	-	9-10	6
"	Pen	2	7	21	5	-	3-4-7-8	
6U10								
(Key at 5)	Sect-1	2	7	26	4	-	1-2	6
(Key at 0)	Sect-2	2	7	26	1	-	5-7	10
(Key at 3)	Sect-3	2	7	26	2	-	1-5	4
	Use red grid cap.							
6V9	Tri	2	7	21	5	-	8-10	6
"	Pen	2	7	22	5	-	2-3-4-7	
6X9	Tri	2	7	23	5	-	9-10	6
"	Pen	2	7	21	5	-	3-4-7-8	
6Y9	Pen-1	2	7	22	5	-	1-3-4	6
"	Pen-2	2	7	21	5	-	8-9-10	
6Y10								
(Key at 6)		2	7	22	5	-	1-3-4	7
(Key at 2)		2	7	21	1	-	5-7-8-9	
6Z10								
(Key at 6)	Sect -1	2	7	22	5	1	3-4-8	7
(Key at 0)	Sect - 2	4	7	24	9	-	4-5-6-7	1
7GS7	Tri	2	8	22	4	-	1-2	5
"	Pen	2	8	21	4	-	6-7-9	
	Must show short on 3-8.							
	Cathode short test - throw 3-8 together.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
7GV7	Tri	2	8	23	4	-	1-9	5
"	Pen	2	8	21	4	-	2-3-7	
	Must show short on 6-8.							
	Cathode short test - throw 6-8 together							
7KY6		2	8	21	4	-	2-7-8	5
	Must show short on 3-9.							
7KZ6		2	8	22	4	-	2-7-8	5
	Must show short on 3-9.							
7M-P18		1	8	3	3	1	5-6-7	4
	Must show short on 1-7.							
	Grid short test - throw 1-7 together.							
8A8	Tri	2	8	24	4	-	1-9	5
"	Pen	1	8	3	4	-	2-3-6	
8AC9								
(Key ay 0)	Di	3	8	26	1	3	2	9
	May show short on 3.							
(Key at 7)	Pen	2	8	21	6	-	3-4-5	
8AC10								
(Key at 5)	Tri-1	2	8	22	4	-	1-2	6
(Key at 0)	Tri-2	2	8	22	1	-	5-7	
(Key at 3)	Tri-3	2	8	22	2	-	1-5	
	Use red grid cap.							
8AL9								
(Key at 2)	Tri	2	8	24	1	-	7-9	3
(Key at 5)	Pen	2	8	25	4	-	2-3-7-9	6
8AR11								
(Key at 2)	Pen-2	2	8	21	3	-	4-5-6-7	1
(Key at 8)	Pen-1	2	8	21	9	-	2-3-4-5	
8AV11								
(Key at 5)	Tri-1	2	8	26	6	-	1-2	4
"	Tri-3	2	8	26	6	-	3-7	
(Key at 2)	Tri-2	2	8	26	3	-	7-9	1
8B8	Tri	2	8	25	4	-	1-9	5
"	Pen	2	8	23	4	-	3-6-7	
8B10								
(Key at 0)	Tri-1	2	8	25	1	-	5-6	10
	Tri-2	2	8	25	1	-	3-4	10
(Key at 6)	Di-1	3	8	27	7	-	3	
	Di-2	3	8	24	7	-	1	
	Use red grid cap.							
8BA11								
(Key at 4)	Pen-1	2	8	23	3	-	6-7-8	5
(Key at 0)	Pen-2	2	8	25	1	-	3-4-6	10
(Key at 8)	Tri	2	8	26	7	-	4-6	9
	Use red grid cap.							
8BM11								
(Key at 0)	Pen-2	2	8	21	1	-	2-3-6	9
(Key at 8)	Pen-1	2	8	21	7	-	2-4-6	

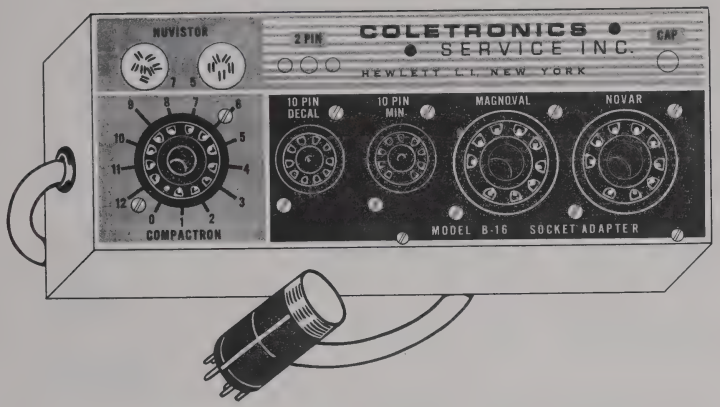
TUBE	SECT	A	B	C	D	E	F	FIL CONT
8BN11								
(Key at 7)	Pen-1	2	8	20	6	-	1-3-5	8
(Key at 2)	Pen-2	2	8	20	1	-	5-6-7	
8BQ7	Tri-1	2	8	24	4	-	6-7	5
"	Tri-2	2	8	24	4	-	1-2	
8BQ11								
(Key at 2)	Pen-2	2	8	20	3	-	4-5-7	1
(Key at 8)	Pen-1	2	8	20	9	-	3-4-5	
8BU11								
(Key at 0)	Tri-1	2	8	21	1	-	3-4	9
	Tri-2	2	8	21	1	-	6-7	
(Key at 7)	Pen	2	8	21	6	-	2-3-4	
8CB11								
(Key at 2)	Pen-2	2	8	22	3	-	4-5-6-7	1
(Key at 8)	Pen-1	2	8	23	9	-	2-3-4-5	7
8CL8	Tri	2	8	23	4	-	1-2	5
"	Tet	2	8	23	4	-	6-7-9	
8CY5		2	8	23	3	-	1-5-6	4
	Must show short on 2-7.							
	Cathode short test - throw 2-7 together.							
8D8		1	8	5	4	-	1-6-8-9	5
	Must show short on 2-7.							
8DX8	Tri	2	8	23	4	-	1-2	5
"	Pen	2	8	23	4	-	6-8-9	
8FQ7	Tri-1	1	8	9	4	-	6-7	5
"	Tri-2	1	8	9	4	-	1-2	
8GJ7	Tri	2	8	22	4	-	8-9	5
"	Pen	2	8	21	4	-	2-6-7	
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together.							
8GM6		2	8	21	3	-	1-5-6-7	4
8GN8	Tri	2	8	23	4	-	2-3	5
"	Pen	2	8	22	4	-	7-8-9	
8GU7	Tri-1	2	8	24	4	-	6-7	5
"	Tri-2	2	8	24	4	-	1-2	
8GX7	Tri	2	8	22	4	-	8-9	5
"	Pen	2	8	21	4	-	2-6-7	
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together.							
8HA6		2	8	22	4	6	2-7-8	5
	Must show short on 3-6-8-9.							
8HG8	Tri	2	8	23	4	-	6-7	5
"	Pen	2	8	22	4	-	2-8-9	
	May show short on 1-3.							
	Cathode short test - throw 1-3 together.							
8JK8	Di-1	2	8	23	4	-	6-7	5
"	Di-2	2	8	22	4	-	1-2	
8JT8	Tri	2	8	24	4	-	2-3	5
"	Pen	2	8	21	4	-	7-8-9	

TUBE	SECT	A	B	C	D	E	F	FIL CONT
8JU8	Di-1-2	2	8	27	4	8	7	5
"	Di-3-4	2	8	27	4	2	1	
	Cathode short test - throw 1-2 together.							
	Cathode short test - throw 7-8 together.							
8JV8	Tri	2	8	26	4	-	2-3	5
"	Pen	2	8	22	4	-	7-8-9	
8K11								
(Key at 0)	Tri-2	1	8	8	1	-	5-7	10
(Key at 5)	Tri-1	1	8	8	6	-	1-2	
	Tri-3	1	8	8	6	-	3-7	
	Use red grid cap.							
8KA8	Tri	2	8	24	4	-	1-2	5
"	Pen	2	8	22	4	-	6-7-8-9	
8KR8	Tri-1	2	8	21	4	-	2-3	5
"	Pent	2	8	21	4	-	7-8-9	
8KS8	Pen	2	8	23	4	-	7-8-9	
"	Tri	2	8	25	4	-	2-3	4-5
8KT8	Tri	2	8	21	4	-	2-3	5
"	Pen	2	8	21	4	-	7-8-9	
8LC8	Tri	2	8	24	4	-	1-2	5
"	Pen	2	8	22	4	-	6-8-9	
8LE8	Pen-1	2	8	22	4	-	1-8-9	5
"	Pen-2	2	8	22	4	-	6-8-9	
8LS6		2	8	24	4	9	2-3-7	5
	Must show short on 3-9.							
8LT8	Di-1	3	8	26	4	-	8	5
"	Di-2	3	8	26	4	-	6	
"	Pen	2	8	20	4	-	2-3-9	
	May show short on 1.							
8LX8	Tri	2	8	23	4	-	1-9	5
"	Pen	2	8	22	4	-	2-3-6	
8MD8	Tri-1	2	8	23	4	-	3-6	5
"	Tri-2	2	8	23	4	-	2-8	
"	Tri-3	2	8	23	4	-	1-9	
8MU8	Tri	2	10	24	4	-	1-9	5
"	Pen	2	10	24	4	-	2-3-6	
8R-HP1	Tri	2	8	25	4	-	1-9	5
"	Pen	2	8	23	4	-	3-6-7	
8U9	Tri	2	8	23	5	-	9-10	6
"	Pen	2	8	21	5	-	3-4-7-8	
8X9	Tri	2	8	23	5	-	9-10	6
"	Pen	2	8	21	5	-	3-4-7-8	
9A8	Tri	2	9	23	4	-	1-9	5
"	Pen	2	9	23	4	-	2-3-6	
9AB4		2	9	22	3	-	1-6	4
9AH9								
(Key at 0)	Tri	2	8	23	1	-	2-3	9
	Must show short on 5-6.							
(Key at 7)	Pen	2	8	21	6	-	2-5-9	8

TUBE	SECT	A	B	C	D	E	F	FIL CONT
9BJ11								
(Key at 0)	Pen-2	2	9	21	1	-	2-3-6	9
(Key at 8)	Pen-1	2	9	21	7	-	2-4-6	
9CG8	Tri	2	9	22	4	-	1-2	5
"	Pen	2	9	21	4	-	6-7-9	
	Must show short on 3-8.							
	Cathode short test - throw 3-8 together							
9DZ8	Tri	2	9	26	4	-	1-9	5
"	Pen	2	9	25	4	-	3-6-7	
9EA8	Tri	2	9	23	4	-	1-9	5
"	Pen	2	9	23	4	-	2-3-6	
9ED4*		2	8	32	4	-	8-10	5
	Must show short on 1-2-3-6-7-9.							
	Red cap goes to top of tube.							
	*Must use magnoval adapter.							
9FG6	Tri	2	5	34	4	-	1-9	5
"	Eye	4	5	0	4	2-8	6-7	
	Must show short on 2-6-8.							
	See instructions for eye test.							
9GH8	Tri	2	9	22	4	-	1-9	5
"	Pen	2	9	22	4	-	2-3-6	
9GV8	Tri	2	9	24	4	-	1-2	5
"	Pen	2	9	22	4	-	6-7-9	
9JW8	Tri	2	9	23	4	-	1-9	5
"	Pen	2	9	21	4	-	2-3-6	
9KC6		2	8	21	4	-	2-7-9	5
9KG6*		2	9	20	4	1-3	6-8-10	5
	Must show short on 1-2-3-6-7-8.							
	Red cap goes to top of tube.							
	*Must use magnoval adapter.							
9KV8	Tri	2	9	23	4	-	2-3	5
"	Pen	2	9	21	4	-	7-8-9	
9KX6		2	8	21	4	-	2-7-8	5
	Must show short on 3-9.							
9KZ8	Pen	2	9	22	4	-	2-6-7	5
"	Tri	2	9	23	4	-	1-9	
9LA6		2	8	22	4	-	2-7-8	5
	Must show short on 3-9.							
9M-HH3	Tri-1	2	8	23	3	-	2-5	4
"	Tri-2	2	8	23	3	-	1-6	
9MN8								
(Key at 6)	Tri-1	2	8	24	7	-	4-8	5
(Key at 5)	Tri-2	2	8	24	6	-	2-9	
(Key at 0)	Tri-3	2	8	24	1	-	6-8	
9M-P12		2	8	23	3	-	1-5-6	4
9RA6		2	9	25	5	7	2-9	4
	Must show short on 2-7.							
	Grid short test - throw 2-7 together.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
9R-AL1	Tri-1	2	9	25	4	-	6-7	5
"	Tri-2	2	9	22	4	3	1-2	
	Must show short on 2-3.							
9R-HR2	Tri	2	9	22	4	-	1-9	5
"	Pen	2	9	22	4	-	2-3-6	
9V9	Tri	2	9	21	5	-	8-10	6
"	Pen	2	9	22	5	-	2-3-4-7	
10AF11								
(Key at 0)	Tri-1	1	9	23	1	-	6-8	10
	Tri-2	2	9	25	1	-	3-4	
(Key at 5)	Pen	2	9	25	6	-	2-3-7	4
	Use red grid cap.							
10AL11								
(Key at 2)	Pen-1	2	9	24	1	-	5-6-8-9	3
(Key at 6)	Pen-2	2	9	23	5	-	1-3-4	7
	Use red grid cap.							
10CW5		2	9	22	4	1-6-8	2-7-9	5
	May show short on 1-2-6-7-8-9.							
10DX8	Tri	2	9	23	4	-	1-2	5
"	Pen	2	9	23	4	-	6-8-9	
10EM7	Tri-1	2	9	26	7	-	4-5	8
"	Tri-2	2	9	22	7	-	1-2	
10FD12	Pen	2	11	23	4	-	1-2-6-9	5
"	Di-1	3	11	31	4	-	7	
"	Di-2	3	11	31	4	-	8	
10FR7	Tri-1	1	9	8	4	-	6-7	5
"	Tri-2	2	9	21	4	2	1-3	
	Must show short on 2-3.							
10GF7	Tri-1	2	9	28	4	-	8-9	5
"	Tri-2	2	9	22	4	-	2-6	
10GH8	Tri	2	9	22	4	-	1-9	5
"	Pen	2	9	22	4	-	2-3-6	
10GK6		2	9	22	4	3	2-7-9	5
	Must show short on 3-9.							
10GN8	Tri	2	9	23	4	-	2-3	5
"	Pen	2	9	22	4	-	7-8-9	
10GV8	Tri	2	9	24	4	-	1-2	5
"	Pen	2	9	22	4	-	6-7-9	
10HA6		2	9	22	4	6	2-7-8	5
	Must show short on 3-6-8-9.							
10HF8	Tri	2	9	24	4	-	2-3	5
"	Pen	2	9	22	4	-	7-8-9	
10JA5								
(Key at 2)		2	9	25	3	10	4 5-8	1-3
	Must show short on 5-10. Use red grid cap.							
10JA8	Tri	2	9	23	4	-	2-3	5
"	Tet	2	9	21	4	-	7-8-9	
10JT8	Tri	2	9	24	4	-	2-3	5
"	Pen	2	9	21	4	-	7-8-9	

KEEP YOUR TUBE TESTER
Up-To-Date



MODEL B-16 ADAPTER

TEST ALL THE NEW TUBES

10 PIN MIN
12 PIN COMPACTRON
5 PIN NUVISTOR
7 PIN NUVISTOR
9 PIN NOVAR

AND NEWLY RELEASED TYPES

10 PIN DECAL !
9 PIN MAGNOVAL !
2 PIN SPECIAL RECTIFIER !

NET PRICE: $15.95 plus $1.50 shipping and handling

- AN EIGHT SOCKET ADAPTER UNIT THAT INSTANTLY MODERNIZES YOUR TUBE TESTER FOR ABOVE TYPE TUBES.
- THE HANDY FLEXIBLE CABLE PLUG IS SIMPLY INSERTED INTO THE EXISTING 9 PIN SOCKET OF YOUR TUBE TESTER. ATTACH THE TESTERS GRID CAP TO THE ADAPTER AND THE UNIT IS NOW READY TO OPERATE.

USE ORDER FORM ON REVERSE SIDE

COLETRONICS SERVICE INC. 1744 Rockaway Ave. Hewlett, N.Y. 11557

☐ Please ship ..... Model B – 16 Adapter at $17.45 each.

☐ Enclosed find check or money order totaling .....

New York City Residents - Add 6%
New York State Residents - Add 5%
Canada - Add $2.00 For Exchange
And Shipping

SHIP TO: —

NAME .....

STREET .....

CITY ..... STATE ..... Zip Code .....

TUBE	SECT	A	B	C	D	E	F	FIL CONT
10JY8	Tri	2	9	22	4	-	2-3	5
"	Pen	2	9	22	4	-	7-8-9	
10KR8	Tri	2	9	21	4	-	2-3	5
"	Pen	2	9	21	4	-	7-8-9	
10KU8	Di-1	3	9	34	4	2	3	5
"	Di-2	3	9	34	4	3	2	
"	Pen	2	9	22	4	-	7-8-9	
10LB8	Tri	2	9	30	4	-	2-3	5
"	Pen	2	9	30	4	-	7 -8-9	
10LD6		2	9	20	4	6	2-7-8	5
	Must show short on 3-6-8-9							
10LD12	Tri	2	12	28	4	-	8-9	5
"	Di-1	2	12	30	4	-	6	
"	Di-2	2	12	16	4	-	2	
"	Di-3	2	12	16	4	-	1	
10LD13	Tri	1	10	9	4	-	1-2	5
"	Di-1	3	10	37	4	-	8	
"	Di-2	3	10	37	4	-	6	
	May show short on 7-9.							
10LE8	Pen-1	2	9	22	4	-	1-8-9	5
"	Pen-2	2	9	22	4	-	6-8-9	
10LM8	Tri	2	9	22	4	-	1-9	5
"	Pen	2	9	22	4	-	2-3-6	
10LW8	Tri	2	9	22	4	-	2-3	5
"	Pen	2	9	21	4	-	7-8-9	
10LY8	Tri	2	9	23	4	-	2-3	5
"	Pen	2	9	21	4	-	7-8-9	
10LZ8	Tri	2	9	22	4	-	2-3	5
"	Pen	2	9	21	4	-	7 -8-9	
10T10								
(Key at 2)	Pen-2	2	9	26	1	-	3-6-8-9	3
(Key at 6)	Pen-1	2	9	23	5	-	1-3-4	7
10Z10								
(Key at 6)	Pen-1	2	9	22	5	1	3-4-8	7
(Key at 0)	Pen-2	4	9	32	9	-	4-5-6-7	1
11AF9	Pen-1	2	9	22	5	-	1-3-4	6
"	Pen-2	2	9	21	5	-	8-9-10	
	May show short on 2.							
11AR11								
(Key at 2)	Pen-2	2	9	21	3	-	4-5-6-7	1
(Key at 8)	Pen-1	2	9	21	9	-	2-3-4-5	7
	Use red grid cap.							
11BM8	Tri	2	9	26	4	-	1-9	5
"	Pen	2	9	26	4	-	3-6-7	
11BN11								
(Key at 7)	Pen-1	2	9	20	6	-	1-3-5	8
(Key at 2)	Pen-2	2	9	20	1	-	5-6-7	

TUBE	SECT	A	B	C	D	E	F	FIL CONT
11BQ11								
(Key at 2)	Pen-2	2	9	20	3	-	4-5-7	1
(Key at 8)	Pen-1	2	9	20	9	-	3-4-5	
11BT11								
(Key at 2)	Tri-1	2	9	23	1	-	7-9	3
(Key at 5)	Tri-2	2	9	21	4	-	1-8	
(Key at 6)	Pen	2	9	21	5	-	3-4-8	
11CA11								
(Key at 0)	Tri-2	2	9	25	1	-	2-3	9
	May show short on 5.							
	Tri-1	2	9	24	1	-	4-6	
(Key at 8)	Pen	2	9	24	7	-	3-5-6	9
11CF11								
(Key at 0)		2	9	23	1	-	3-4-5	10
(Key at 5)		2	9	23	6	-	3-7	
(Key at 6)		2	9	25	7	-	2-3	
	Use red grid cap.							
11CY7	Sect-1	2	9	27	4	-	6-7	5
"	Sect-2	2	9	22	4	2	1-3	
	Must show short on 2-3.							
11DS5		2	9	24	3	7	1-5-6	4
	Must show short on 1-7.							
11FY7								
(Key at 5)	Tri-1	1	9	10	6	-	2-3	4
(Key at 2)	Tri-2	2	9	22	3	-	5-7	
	Use red cap.							
11HM7		2	6	21	6	-	2-7-8	4-5
	Fil Cont - also throw 4-5 together.							
	Must show short on 3-9.							
11KV8	Tri	2	9	23	4	-	2-3	5
"	Pen	2	9	21	4	-	7-8-9	
11LQ8	Tri	2	9	21	4	-	2-3	5
"	Pen	2	9	21	4	-	7-8-9	
11LT8	Di-1	3	9	26	4	-	8	5
"	Di-2	3	9	26	4	-	6	
"	Pen	2	9	20	4	-	2-3-9	
	May show short on 1.							
11MS8	Tri	2	9	24	4	-	1-2	5
"	Pen	2	9	22	4	-	6-7-9	
11R3		2	9	23	4	2	9	5
	May show short on all pins. Use red cap.							
11Y9	Pen-1	2	9	22	5	-	1-3-4	6
"	Pen-2	2	9	21	5	-	8-9-10	
12AC10								
(Key at 5)	Tri-1	2	10	22	4	-	1-2	6
(Key at 0)	Tri-2	2	10	22	1	-	5-7	
(Key at 3)	Tri-3	2	10	22	2	-	1-5	
	Use red grid cap.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
12AE10								
(Key at 2)	Pen-2	2	10	23	1	-	5-7-8-9	3
(Key at 6)	Pen-1	2	10	23	5	-	1-3-4	7
12AF4		2	10	23	3	1-2	6-7	4
	Must show short on 1-2-6-7.							
12AF11								
(Key at 0)	Tri-1	1	10	23	1	-	6-8	10
	Tri-2	2	10	25	1	-	3-4	
(Key at 5)	Pen	2	10	25	6	-	2-3-7	4
	Use red grid cap.							
12AJ7	Tri	2	10	25	4	-	8-9	5
"	Hep	2	10	23	4	-	1-2-6	
12AL11								
(Key at 2)	Pen-1	2	10	24	1	-	5-6-8-9	3
(Key at 6)	Pen-2	2	7	23	5	-	1-3-4	7
	Use red grid cap.							
12AU8	Tri	2	10	24	4	-	2-3	5
"	Pen	2	10	24	4	-	7-8-9	
12AW6		2	10	23	3	-	1-5-6	4
12AX3								
(Key at 5)		2	10	24	6	2	9	4
	Must show short on 2-9. Use red grid cap.							
12AX12		7	4	1	3	-	2	5
12AY3		1	10	5	4	2	7	5
	Must show short on 2-7.							
12B-B14*		2	10	21	4	2-7	1-6-9	5
	Must show short on 1-2-3-6-7-8.							
	Cap goes to top of tube.							
	*Must use magnoval adapter.							
12BE3								
(Key at 2)		2	10	22	1	6	10	3
	Must show short on 6-10. Use red grid cap.							
12BF11								
(Key at 0)	Pen-1	2	10	28	1	-	3-5-6-7	10
(Key at 8)	Pen-2	2	10	22	7	-	3-5-6	
	Use red grid cap.							
12BR3		3	10	26	4	2	9	5
	May show short on 2-9. Use red cap.							
	Read on Diode Special Arc.							
12BS3		3	10	25	4	-	2-7	5
12BT3								
(Key at 0)		5	10	4	1	-	4	10
	Use red grid cap.							
12BT6	Tri	2	10	26	3	-	1-7	4
"	Di-1	3	10	37	3	-	5	
"	Di-2	3	10	37	3	-	6	
12BV11								
(Key at 7)	Pen-1	2	10	22	6	-	1-3-4	8
(Key at 2)	Pen-2	2	10	22	1	-	5-6-8	

TUBE	SECT	A	B	C	D	E	F	FIL CONT
12CK3		3	10	26	4	2	7	5
	Must show short on 2-7.							
	Read on Diode Special Arc.							
12CL3		3	10	25	4	2	7	5
	Must show short on 2-7.							
	Read on Diode Special Arc.							
12CT3		3	10	30	4	2	6	5
	Must show short on 2-6.							
	Read on Diode Special Arc.							
12DA6		2	10	27	4	-	2-7-8	5
	Must show short on 1-6.							
12DK6		2	10	20	3	-	1-5-6	4
12DM4		1	10	5	7	2	5	8
12DM7	Tri-1	2	7	27	9	-	6-7	4-5
"	Tri-2	2	7	27	9	-	1-2	
12DQ4		3	10	25	7	-	5	8
	Read on Diode Special Arc.							
12DT6		2	10	24	3	-	1-5-6-7	4
12DT7	Tri-1	2	7	27	9	-	6-7	4-5
"	Tri-2	2	7	27	9	-	1-2	
12DW4		1	10	4	5	7	2	5
	May show short on 2-7.							
12DZ7	Pen-1	1	10	6	2	-	4-5-6	7
"	Pen-2	1	10	6	2	-	1-3-4	
12DZ8	Tri	2	10	26	4	-	1-9	5
"	Pen	2	10	25	4	-	3-6-7	
12FQ7	Tri-1	1	10	9	4	-	6-7	5
"	Tri-2	1	10	9	4	-	1-2	
12FS5		2	10	23	3	-	1-5-6	4
	Must show short on 2-7.							
	Cathode short test - throw 2-7 together.							
12FV7	Di-1	2	7	22	5	-	6-7	4-9
"	Di-2	2	7	22	4	-	1-2	
12FX5		2	10	22	3	5	2-6-7	4
	Must show short on 2-5.							
12G11								
(Key at 6)	Pen-1	2	10	22	7	-	1-3-4	5
(Key at 2)	Pen-2	2	10	25	1	-	5-6-8-9	3
12G-B3		2	10	21	2	-	4-5-9	7
12G-B7		1	10	4	2	-	4-5-9	7
12GC5		2	10	23	4	1-3	6-8-9	5
	Must show short on 1-3-6-8.							
12GE5								
(Key at 5)		2	10	22	6	-	3-7-8-10	4
	Must show short on 3-8. Must show short on 2-9.							
	Cathode short test - throw 2-9 together.							
	Use red grid cap.							
12GJ5		2	10	24	4	1-2	6-7-10	5
	Red grid cap goes to top of tube.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
12G-K17		1	10	7	7	-	5	8
12GN7		2	7	21	6	-	2-7-8	4-5
	Must show short on 3-9.							
12GT5		2	10	23	4	1-2	6-7-9	5
	Must show short on 1-2-6-7.							
12GV5								
(Key at 4)		2	10	22	3	1-2	7-9-10	5
	Must show short on 1-2-7-8.							
	Red grid cap goes to top of tube.							
	Cathode short test - throw 1-8 together.							
12GW6		2	10	22	2	-	4-5-9	7
12H-B25*		2	10	21	4	2-7	1-6-10	5
	Must show short on 1-2-3-6-7-8.							
	Red cap goes to top of tube.							
	*Must use magnoval adapter.							
12HE7								
(Key at 0)	Di	3	10	25	1	-	2	9
	Read on Diode Special Arc.							
(Key at 8)	Caution: Throw lever #5 to E before inserting tube.							
	Pen	2	10	21	7	5	4-6	9
12HG7		2	7	21	6	-	2-7-8	4-5
	Must show short on 3-9.							
12HL5		2	10	22	4	1	2-7-9	5
	Must show short on 1-2.							
12HL7		2	7	21	6	-	2-7-8	4-5
	Fil Cont - also throw 4-5 together.							
	Must show short on 3-9.							
12HU8	Pen-1	2	10	23	4	-	1-2-3	5
"	Pen-2	2	10	23	4	-	6-8-9	
12JB6		2	10	22	4	1-2	6-7-10	5
	Must show short on 1-2-6-7.							
	Red grid cap goes to top of tube.							
12JF5								
(Key at 0)		2	10	24	1	-	2-3-9	10
	Black cap goes to top of tube.							
	Use red grid cap.							
12JN6								
(Key at 5)		2	10	21	4	2	3-8-9	6
	Must show short on 2-9.							
12JN8	Tri	2	10	21	4	-	1-2	5
"	Pen	2	10	20	4	-	6-7-9	
12JM6								
(Key at 3)		2	10	22	2	-	7-8-9	4
	Black cap goes to top of tube.							
12JQ6	Pen	2	10	24	5	2-8	1-3-7	4
"	Di	3	10	23	5	-	6	
	Must show short on 2-3-7-8.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
12JS6								
(Key at 3)		2	10	21	2	1	6-8-9	4
	Must show short on 1-6.							
	Black cap goes to top of tube.							
12JT6		2	10	23	4	1	2-7-9	5
	Must show short on 1-7.							
12JZ8								
(Key at 8)	Pen	2	10	23	9	1	2-3-10	7
	Must show short on 1-2.							
(Key at 5)	Tri	2	10	26	6	-	2-7	4
	Use red grid cap.							
12KA8	Tri	2	10	24	4	-	1-2	5
"	Pen	2	10	22	4	-	6-7-8-9	
12KL8	Pen	2	10	24	4	-	1-2-6-7	5
"	Di	3	10	36	4	-	8	
	Diode - read on Diode Arc.							
12MD8	Tri-1	2	10	23	4	-	3-6	5
"	Tri-2	2	10	23	4	-	2-8	
"	Tri-3	2	10	23	4	-	1-9	
12R-K19		3	10	28	4	2	9	5
	May show short on 2-9. Use red grid cap.							
	Read on Diode Special Arc.							
12R-LL5	Tri-1	1	10	9	4	-	6-7	5
"	Tri-2	1	10	9	4	-	1-2	
12T10								
(Key at 2)	Pen-2	2	10	26	1	-	5-7-8-9	3
(Key at 6)	Pen-1	2	10	23	5	-	1-3-4	
13CM5		1	10	3	2	1-3	4-5-9	7
	Must show short on 1-3-4-8.							
	Cathode short test- throw 3-8 together.							
13CW4		3	10	28	4	-	1-2	5
	Use Diodes Special Arc. Use red grid cap.							
13CW9		6	4	5	7	3	4	4-5
13FM7								
(Key at 7)	Tri-1	2	10	25	6	-	4-5	8
(Key at 2)	Tri-2	2	10	23	1	-	5-7	3
	Use red grid cap.							
13FR7	Tri-1	1	10	8	4	-	6-7	5
"	Tri-2	2	10	21	4	2	1-3	
	Must show short on 2-3.							
13GB5*		2	10	21	4	2-7-8	1-6-10	5
	Must show short on 1-2-3-6-7-8.							
	Cathode short test - throw 3-8 together.							
	Red grid cap goes to top of tube.							
	*Must use magnoval adapter.							
13GF7	Tri-1	2	10	28	4	-	8-9	5
"	Tri-2	2	10	22	4	-	2-6	

TUBE	SECT	A	B	C	D	E	F	FIL CONT
13J10								
(Key at 6)	Sect-1	2	10	22	5	1	2-4-8	7
(Key at 0)	Sect-2	4	10	31	9	-	4-5-6-7	1
13JT8	Tri	2	10	24	4	-	2-3	5
"	Pen	2	10	21	4	-	7-8-9	
13JZ8								
(Key at 0)	Pen	2	10	25	1	-	4-5-7-8	9
	Must show short on 6-7.							
(Key at 4)	Tri	2	10	28	3	-	1-6	5
13V10								
(Key at 0)	Pen-1	2	10	24	1	-	3-6-7	10
(Key at 8)	Pen-2	2	10	23	7	-	3-5-6	
	Use red grid cap.							
13Z10								
(Key at 6)	Sect-1	2	10	22	5	1	3-4-8	7
(Key at 0)	Sect-2	4	10	24	9	-	4-5-6-7	1
14BF11								
(Key at 0)	Sect-1	2	10	28	1	-	3-5-6-7	10
(Key at 8)	Sect-2	2	10	22	7	-	3-5-6	9
	Use red grid cap.							
14BL11								
(Key at 0)	Tri-1	2	10	25	1	-	5-7	9
(Key at 5)	Tri-2	2	10	21	4	-	1-8	
(Key at 7)	Pen	2	10	26	6	-	4-5-9	
14BQ11								
(Key at 2)	Pen-2	2	10	20	3	-	4-5-9	1
(Key at 8)	Pen-1	2	10	20	9	-	3-4-5	
14BR11								
(Key at 0)	Tri-1	2	10	23	1	-	6-8	9
(Key at 5)	Tri-2	2	10	23	4	-	1-2	
	Pen	2	10	21	4	-	3-7-8	
14GW8	Tri	2	10	26	4	-	1-9	5
"	Pen	2	10	23	4	-	3-6-8	
14JG8	Di-1	2	10	25	4	-	2	5
"	Di-2	2	10	26	4	-	6	
"	Tri	2	10	26	4	-	8-9	
15A6		2	10	24	4	-	1-2-6-7	5
15AF11								
(Key at 7)	Pen	2	10	24	6	-	4-5-9	8
(Key at 2)	Di-1	2	10	25	1	-	5-6	3
(Key at 0)	Di-2	2	10	24	1	-	6-8	10
	Use red grid cap.							
15BD11								
(Key at 0)	Tri-2	2	10	25	1	-	2-3	10
	Tri-2	2	10	23	1	-	6-8	
(Key at 5)	Pen	2	10	24	4	-	2-3-7	6
	Use red grid cap.							
15CW5		2	10	22	4	1-6-8	2-7-9	5
	May show short on 1-2-6-7-8-9.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
15DQ8	Tri	2	10	23	4	-	1-2	5
"	Pen	2	10	23	4	-	6-8-9	
15EW7	Tri-1	2	10	26	4	-	6-7	5
"	Tri-2	2	10	22	4	2	1-3	
	Must show short on 2-3.							
15FM7								
(Key at 7)	Tri-1	2	10	25	6	-	4-5	8
(Key at 2)	Tri-2	2	10	23	1	-	5-7	3
	Use red grid cap.							
15FO7		2	5	4	3	7	2	6
15FY7								
(Key at 5)	Tri-1	1	10	10	6	-	2-3	4
(Key at 2)	Tri-2	2	10	22	3	-	5-7	
15HA6		2	10	22	4	6	2-7-8	5
	Must show short on 3-6-8-9.							
15HB6		2	10	22	4	3-6	*	5
	May show short on 3-6-8-9.							
	*Throw lever F to 2-7-8-9.							
15KY8	Tri	2	10	25	4	-	8-9	5
"	Pen	2	10	22	4	-	2-6-7	
15LE8	Pen-1	2	10	22	4	-	1-8-9	5
"	Pen-2	2	10	22	4	-	6-8-9	
15MF8								
(Key at 8)	Pen	2	10	23	9	1	2-3-10	7
	Must show short on 1-2.							
(Key at 5)	Tri	2	10	22	6	-	2-7	4
	Use red grid cap.							
15MX8	Tri	2	10	25	4	-	8-9	5
"	Pen	2	10	22	4	-	2-6-7	
16A5		2	11	22	4	-	2-7-9	5
16A8	Tri	2	10	24	4	-	1-9	5
"	Pen	2	10	22	4	-	3-6-7	
16AK9								
(Key at 8)	Pen	2	9	25	1	-	3-4	7-9
	Tri-2	2	9	25	1	-	5-6	
(Key at 0)	Tri-1	2	9	27	6	-	2-3	1-9
16AQ3		2	10	23	4	*	9	5
	*1-2-3-6-7-8. Use red grid cap.							
	May show short on 1-2-3-6-7-8-9.							
16BQ11								
(Key at 2)	Pen-1	2	9	23	3	-	4-5-7	1
(Key at 8)	Pen-2	2	9	23	9	-	3-4-5	
16BX11								
(Key at 0)	Tri-1	2	10	24	1	-	7-8	10
	Tri-2	2	10	24	1	-	5-6	
(Key at 4)	Pen	2	10	24	5	-	2-6-7	3
	Use red grid cap.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
16C-E28								
(Key at 4)		2	10	24	3	2	1-7-8-9	5
	Must show short on 1-2-7-8.							
	Screen short test - throw 2-7 together.							
	Grid short test - throw 1-8 together.							
16GK6		2	10	24	4	-	2-7-8	5
	Must show short on 3-9.							
16GY5								
(Key at 4)		2	10	23	3	7	2-9-10	5
	Must show short on 1-2-7-8.							
	Cathode short test - throw 1-8 together.							
	Red grid cap goes to top of tube.							
16HB5								
(Key at 0)		2	10	22	1	-	2-3-7	10
	Use red grid cap.							
16KA6								
(Key at 4)		2	10	22	3	-	7-9-10	5
	Must show short on 2-8.							
	Red cap goes to top of tube.							
16LD6		2	10	20	4	6	2-7-8	5
	Must show short on 3-6-8-9.							
16LU8								
(Key at 5)	Tri	2	10	21	6	-	2-7	4
(Key at 8)	Pen	2	10	21	9	1	2-3-10	7
	Use red grid cap.							
	Must show short on 1-2.							
16MY8								
(Key at 5)	Tri	2	10	21	6	-	2-7	4
(Key at 8)	Pen	2	10	21	9	-	2-3-10	7
	Must show short on 1-2.							
	Use red grid cap.							
16Y9	Pen-1	2	11	22	5	-	1-3-4	6
"	Pen-2	2	11	21	5	-	8-9-10	
17A8	Tri	2	11	23	4	-	1-9	5
"	Pen	2	11	23	4	-	2-3-6	
17AB10								
(Key at 6)	Pen-1	2	11	21	5	1	2-4-8	7
(Key at 0)	Pen-2	4	11	31	9	-	4-5-6-7	1
17AX3								
(Key at 5)		2	11	24	6	2	9	4
	Must show short on 2-9. Use red grid cap.							
17AY3		1	11	5	4	2	7	5
	Must show short on 2-7.							
17B4		1	11	8	2	-	3-5	7
17B-B14*		2	11	21	4	2-7	1-6-9	5
	Must show short on 1-2-3-6-7-8.							
	Cap goes to top of tube.							
	*Must use magnoval adapter.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
17BD11								
(Key at 0)	Tri-2	2	11	25	1	-	2-3	10
	Tri-1	2	11	23	1	-	6-8	
(Key at 5)	Pen	2	11	24	4	-	2-3-7	6
	Use red grid cap.							
17BE3								
(Key at 2)		2	11	22	1	6	10	3
	Must show short on 6-10. Use red grid cap.							
17BF11								
(Key at 0)	Sect-1	2	11	28	1	-	3-5-6-7	10
(Key at 8)	Sect-2	2	11	22	7	-	3-5-6	9
	Use red grid cap.							
17BJ6		2	11	24	3	-	1-5-6-7	4
17BR3		2	11	23	4	2	9	5
	Must show short on 2-9. Use red grid cap.							
17BS3		3	11	25	4	-	2-7	5
	Must show short on 2-7.							
	Read on Diode Special Arc.							
17BW3								
(Key at 0)		3	11	25	1	-	4	9
	Read on Diode Special Arc.							
17BZ3								
(Key at 0)		3	11	25	1	-	4	9
	Read on Diode Special Arc.							
17C9	Tet-1	2	11	23	4	-	7-8-9	5
"	Tet-2	2	11	24	4	-	1-2-3	
	Use red grid cap.							
17CK3		3	11	26	4	2	7	5
	Must show short on 2-7.							
	Read on Diode Special Arc.							
17CL3		3	11	25	4	2	7	5
	Must show short on 2-7.							
	Read on Diode Special Arc.							
17CT3		3	11	30	4	2	6	5
	Must show short on 2-6.							
	Read on Diode Special Arc.							
17DM4		1	11	5	7	2	5	8
17DQ4		3	11	25	7	-	5	8
	Read on Diode Special Arc.							
17DW4		1	11	4	5	7	2	5
	Must show short on 2-7.							
17EW8	Tri-1	2	11	22	4	-	6-7	5
"	Tri-2	2	11	22	4	-	1-2	
17FY7								
(Key at 5)	Tri-1	1	11	10	6	-	2-3	4
(Key at 2)	Tri-2	2	11	22	3	-	5-7	
	Use red cap.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
17GE5								
(Key at 5)		2	11	22	6	-	3-7-8-10	4
	Must show short on 2-3-8-9. Use red grid cap.							
	Cathode short test - throw 2-9 together.							
17GJ5		2	11	24	4	1-2	6-7-10	5
	Red grid cap goes to top of tube.							
17GT5		2	11	23	4	1-2	6-7-9	5
	Must show short on 1-2-6-7.							
17GT6		8	11	7	5	3	1	2
17GV5								
(Key at 4)		2	11	22	3	1-2	7-9-10	5
	Must show short on 1-2-7-8.							
	Cathode short test - throw 1-8 together.							
	Red grid cap goes to top of tube.							
17GW6		2	10	22	2	-	4-5-9	7
17GY5								
(Key at 4)		2	11	23	3	7	2-9-10	5
	Must show short on 1-2-7-8.							
	Cathode short test - throw 1-8 together.							
	Red grid cap goes to top of tube.							
17H-B25*		2	11	21	4	2-7	1-6-10	5
	Must show short on 1-2-3-6-7-8.							
	Red cap goes to top of tube.							
	*Must use magnoval adapter.							
17HC8	Tri	2	10	25	4	-	1-9	5
"	Pen	2	10	25	4	-	3-6-7	
17HG8	Tri	2	11	23	4	-	6-7	5
"	Pen	2	11	22	4	-	2-8-9	
	May show short on 1-3.							
	Cathode short test - throw 1-3 together.							
17JB6		2	11	22	4	1-2	6-7-10	5
	Must show short on 1-2-6-7.							
	Red grid cap goes to top of tube.							
17JF6		2	10	22	4	1-2	6-7-9	5
	Must show short on 1-2-6-7.							
	Black cap goes to top of tube.							
17JG6		2	11	21	4	1	2-7-9	5
	Must show short on 1-7.							
17JK8	Di-1	2	10	23	4	-	6-7	5
"	Di-2	2	10	22	4	-	1-2	
17JM6								
(Key at 3)		2	11	22	2	-	7-8-9	4
	Black cap goes to top of tube.							
17JN6								
(Key at 5)		2	11	21	4	2	3-8-9	6
	Must show short on 2-9.							
17JQ6	Pen	2	11	24	5	2-8	1-3-7	4
"	Di	3	11	23	5	-	6	
	Must show short on 2-3-7-8.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
17JR6		2	11	23	4	1	2-7-9	5
	Must show short on 1-7.							
17JS6								
(Key at 3)		2	11	21	2	1	6-8-9	4
	Must show short on 1-6.							
	Black cap goes to top of tube.							
17JT6		2	11	23	4	1	2-7-9	5
	Must show short on 1-7.							
17JZ8								
(Key at 8)	Pen	2	11	23	9	1	2-3-10	7
	Must show short on 1-2.							
(Key at 5)	Tri	2	11	26	6	-	2-7	4
	Use red grid cap.							
17KV6		2	11	21	4	1	2-7-9	5
	Must show short on 1-7.							
17LD8	Tri	1	11	8	4	-	8-9	5
"	Pen	2	11	21	4	-	2-6-7	
17RK19		2	11	23	4	2	9	5
	Must show short on 2-9. Use red grid cap.							
17W6		2	10	23	2	-	3-4-5	7
17X10								
(Key at 5)	Pen-1	2	11	22	6	-	1-3-7	4
(Key at 0)	Pen-2	3	11	45	1	-	4-6-7	9
	Read on Diode Special Arc.							
17Y9	Pen-1	2	11	22	5	-	1-3-4	6
"	Pen-2	2	11	21	5	-	8-9-10	
18AJ10								
(Key at 2)		2	11	24	1	-	5-7-8-9	3
(Key at 6)		2	11	25	5	-	1-3-4	7
18DZ8	Tri	2	11	26	4	-	1-9	5
"	Pen-2	2	11	25	4	-	3-6-7	
18GB5*		2	11	21	4	2-7-8	1-6-10	5
	Must show short on 1-2-3-6-7-8.							
	Red cap goes to top of tube.							
	Cathode short test - throw 3-8 together.							
	*Must use magnoval adapter.							
18GD6		2	11	23	3	-	1-5-6	4
18GV5								
(Key at 4)		2	11	22	3	1-2	7-9-10	5
	Must show short on 1-2-7-8.							
	Red grid cap goes to top of tube.							
18GV8	Tri	2	11	24	4	-	1-2	5
"	Pen	2	11	22	4	-	6-7-9	
18R-AL1	Tri-1	2	11	25	4	-	6-7	5
"	Tri-2	2	11	22	4	3	1-2	
	Must show short on 2-3.							
19AJ8	Hep	2	11	26	4	-	1-2-6	5
"	Tri	2	11	27	4	-	8 -9	

TUBE	SECT	A	B	C	D	E	F	FIL CONT
19AQ5		1	11	7	3	1	5-6-7	4
	Must show short on 1-7.							
19BR5	Tri	1	11	10	4	-	1-7	5
"	Eye	4	11	0	4	3-6	7-9	
	Must show short on 3-6-9.							
	See instructions for eye test.							
19BX6		2	11	22	4	-	2-7-8-9	5
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together.							
19BY7		1	11	4	4	-	2-7-8-9	5
19CG3								
(Key at 0)		3	11	25	1	-	4	9
	Read on Diode Special Arc.							
19DE3								
(Key at 7)		2	11	24	6	1	4	8
	Grid cap goes to top of tube.							
19DE7	Tri-1	2	11	26	4	-	6-7	5
"	Tri-2	2	11	21	4	2	1-3	
	Must show short on 2-3.							
19EW7	Tri-1	2	11	26	4	-	6-7	5
"	Tri-2	2	11	22	4	2	1-3	
	Must show short on 2-3.							
19EZ8	Tri-1	2	11	28	4	-	8-9	5
"	Tri-2	2	11	28	4	-	6-7	
"	Tri-3	2	11	23	4	-	2-3	
19FL8	Pent	2	11	23	4	-	1-2-6-9	5
"	+Di-1	3	11	31	4	-	7	
"	+Di-2	3	11	31	4	-	8	
	+Use Diode Special Arc.							
19FX5		2	11	22	3	5	2-6-7	4
	Must show short on 2-5.							
19GQ7	Di-1	3	11	26	4	-	8	5
"	Di-2	3	11	26	4	-	6	
"	Di-3	3	11	26	4	-	2	
	Read on Diode Special Arc.							
19HR6		2	11	22	3	-	1-5-6	5
19HS6		2	11	22	3	-	1-2-5-6	4
19JC6		2	11	22	4	-	2-7-8	5
	May show short on 1-3.							
	Cathode short test - throw 1-3 together.							
19JN8	Pen	2	11	21	4	-	6-7-9	5
"	Tri	2	11	21	4	-	1-2	
19KF6*		2	11	22	4	1	6-7-9	5
	Must show short on 1-7.							
	*Must use magnoval adapter.							
19KG8	Tri	2	11	22	4	-	1-2	5
"	Pen	2	11	22	4	-	6-7-9	
19MR9		2	11	23	3	-	1-5-6	4

TUBE	SECT	A	B	C	D	E	F	FIL CONT
19Q9	Tri	2	11	21	4	-	8-9	5
"	Pen	2	11	20	4	-	1-2-3	
	Use red grid cap.							
19Y3		1	10	4	4	-	9	5
20AQ3		2	11	23	4	*	9	5
	*1-2-3-6-7-8. Use red grid cap.							
	May show short on 1-2-3-6-7-8-9.							
20LF6 (Key at 4)		2	11	22	3	2	7-9-10	5
	Must show short on 1-2-7-8.							
	Cap goes to top of tube.							
21A6		2	11	23	4	*	2-8-10	5
	Must show short on 1-6-7-8-9. Use red grid cap.							
	*Set lever E at 1-6-7.							
21AK6		1	11	10	3	-	1-2-5-6	4
21EX6		2	11	22	2	-	5-8-9	7
21GY5 (Key at 4)		2	11	23	3	7	2-9-10	5
	Must show short on 1-2-7-8.							
	Cathode short test - throw 1-8 together.							
	Red grid cap goes to top of tube.							
21HB5 (Key at 0)		2	11	22	1	-	2-3-7	10
	Use red grid cap.							
21HD5 (Key at 0)		2	11	21	1	9	3-5-7	10
	Must show short on 5-9. Use red grid cap.							
21HJ5 (Key at 0)		2	11	22	1	9	3-5-7	10
	Must show short on 5-9. Use red grid cap.							
21JS6 (Key at 3)		2	11	21	2	1	6-8-9	4
	Must show short on 1-6.							
	Black cap goes to top of tube.							
21JV6 (Key at 5)		2	11	21	4	2	3-8-9	6
	Must show short on 2-9.							
21JZ6 (Key at 3)		2	11	22	2	-	7-8-9	4
	Black cap goes to top of tube.							
21KA6 (Key at 4)		2	11	22	3	-	7-9-10	5
	Must show short on 2-8.							
	Red cap goes to top of tube.							
21KQ6*		2	11	21	4	6-8	1-3-10	5
	Must show short on 1-2-3-6-7-8.							
	Red cap goes to top of tube.							
	*Must use magnoval adapter.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
21LG6								
(Key at 4)		2	12	24	3	7	2-9	5
	Must show short on 1-2-7-8.							
21LB6	Tri	2	11	24	4	-	8-9	5
"	Pen	2	11	22	4	-	2-6-7	
21LU8								
(Key at 5)	Tri	2	11	21	6	-	2-7	4
	Use red grid cap.							
(Key at 8)	Pen	2	11	21	9	1	2-3-10	7
	Must show short on 1-2.							
21MY8								
(Key at 5)	Tri	2	11	21	6	-	2-7	4
(Key at 8)	Pen	2	11	21	9	1	2-3-10	7
	Use red grid cap.							
	Must show short on 1-2.							
	Grid short test - throw 1-2 together.							
22AL3		3	12	25	4	*	9	5
	*Throw levers 1-2-3-6-7-8 to position E.							
	Read on Diode Special Arc.							
	May show short on 1-2-3-6-7-8-9.							
	Use red grid cap.							
22BW3								
(Key at 0)		3	11	25	1	-	4	9
	Read on Diode Special Arc.							
22JF6		2	11	22	4	1-2	6-7-9	5
	Must show short on 1-2-6-7.							
	Black cap goes to top of tube.							
22JG6		2	11	21	4	1	2-7-9	5
	Must show short on 1-7.							
22JR6		2	11	23	4	1	2-7-9	5
	Must show short on 1-7.							
22JU6		2	11	21	4	1-2	6-7-10	5
	Must show short on 1-2-6-7.							
	Black cap goes to top of tube.							
22KM6		2	11	19	4	1-2	6-7-9	5
	Must show short on 1-2-6-7.							
	Black cap goes to top of tube.							
22KV6		2	12	21	4	1	2-7-9	5
	Must show short on 1-7.							
23JS6								
(Key at 3)		2	11	21	2	1	6-8-9	4
	Must show short on 1-6.							
	Black cap goes to top of tube.							
23MB6								
(Key at 5)		2	11	24	6	6	8-9	4
	Must show short on 2-3-8-9.							
	Red grid cap goes to top of tube.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
23Z9								
(Key at 5)	Tri-1	2	11	29	4	-	7-8	6
	Tri-2	2	11	25	4	-	2-3	
(Key at 7)	Pen	2	11	23	6	-	2-3-9	
24AX4		1	12	7	7	-	5	8
24BF11								
(Key at 0)	Pen-1	2	12	28	1	-	3-5-6-7	10
(Key at 8)	Pen-2	2	12	22	7	-	3-5-6	9
	Use red grid cap.							
24GA7								
(Key at 4)	Di	2	12	24	3	-	2	3-5
	Must show short on 6-7.							
(Key at 0)	Pen	2	12	35	1	3	2-3-7	1-9
	Must show short on 2-3.							
24JE6		2	12	23	4	1-2	6-7-8-10	5
	Must show short on 1-2-6-7.							
	Red cap goes to top of tube.							
24JZ8								
(Key at 8)	Pen	2	12	23	9	1	2-3-10	7
	Must show short on 1-2.							
(Key at 5)	Tri	2	12	26	6	-	2-7	4
	Use red cap.							
24LQ6		2	12	23	4	1-2	6-7-8-10	5
	Must show short on 1-2-6-7.							
	Red cap goes to top of tube.							
24LZ6		2	12	25	4	1-2	6-7-9	5
	Must show short on 1-2-6-7.							
25B-B14*		2	12	21	4	2-7	1-6-9	5
	Must show short on 1-2-3-6-7-8.							
	Cap goes to top of tube.							
	*Must use magnoval adapter.							
25CG3								
(Key at 0)		3	12	25	1	-	4	9
25CK3		3	12	26	4	2	7	5
	Must show short on 2-7.							
	Read on Diode Special Arc							
25CM3		3	11	30	4	2	7	5
	Must show short on 2-7.							
	Read on Diode Special Arc.							
25CT3		3	12	30	4	2	6	5
	Must show short on 2-6							
	Read on Diode Special Arc.							
25DL3		2	12	24	4	2	7	5
25DT5		1	12	6	4	3	1-6-9	5
	Must show short on 3-6.							
25G-B6		2	12	25	2	-	4-5-9	7

TUBE	SECT	A	B	C	D	E	F	FIL CONT
25HX5*		2	12	24	4	7	1-6-9	5
	Must show short on 1-2-3-7.							
	Grid short test - depress 1-7 together.							
	Cathode short test - depress 2-3 together.							
	*Must use magnoval adapter.							
25JQ6	Pen	2	12	24	5	2-8	1-3-7	4
"	Di	3	12	23	5	-	6	
	Must show short on 2-3-7-8.							
25JZ8								
(Key at 8)	Pen	2	12	23	9	1	2-3-10	7
	Must show short on 1-2.							
(Key at 5)	Tri	2	12	26	6	-	2-7	4
	Use red grid cap.							
26AQ8	Tri-1	2	12	26	4	-	6-7	5
"	Tri-2	2	12	26	4	-	1-2	
26DQ5		1	12	3	2	1-4	5-8-9	7
	Must show short on 1-3-4-5-6-8.							
	Grid short test - throw 1-5 together							
	Screen short test - throw 4-8 together							
	Cathode short test - throw 3-6 together.							
26HU5		2	12	24	7	5-6	1-3-9	8
	May show short on 1-2-5-6.							
26HV5								
(Key at 0)		2	12	21	1	-	2-7	10
	Use red grid cap.							
26JG6		2	12	21	4	1	2-7-9	5
	Must show short on 1-7.							
26LX6								
(Key at 3)		2	11	21	2	1	6-8-9	4
	Must show short on 1-6.							
	Black cap goes to top of tube.							
27GB5*		2	12	21	4	2-7-8	1-6-10	5
	Must show short on 1-2-3-6-7-8.							
	Cathode short test - throw 3-8 together.							
	Red grid cap goes to top of tube.							
	*Must use magnoval adapter.							
27KG6*		2	12	20	4	1-3	6-8-10	5
	Must show short on 1-2-3-6-7-8.							
	Red cap goes to top of tube.							
	*Must use magnoval adapter.							
27LF6								
(Key at 4)		2	12	22	3	2	7-9-10	5
	Must show short on 1-2-7-8.							
	Cap goes to top of tube.							
28GB5*		2	12	21	4	2-7-8	1-6-10	5
	Must show short on 1-2-3-6-7-8.							
	Cathode short test - throw 3-8 together.							
	Red grid cap goes to top of tube.							
	*Must use magnoval adapter.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
28HA6		2	12	22	4	6	2-7-8	5
	Must show short on 3-6-8-9.							
28HD5								
(Key at 0)		2	12	21	1	9	3-5-7	10
	Must show short on 5-9. Use red grid cap.							
29GK6		2	12	24	4	-	2-7-8	5
	Must show short on 3-9.							
29KQ6*		2	12	21	4	6-8	1-3-10	5
	Must show short on 1-2-3-6-7-8.							
	Red cap goes to top of tube.							
	*Must use magnoval adapter							
29LE6*		2	12	24	4	6-7-8	•	5
	•1-2-3-10. Use red grid cap.							
	Must show short on 1-2-3-6-7-8.							
	Grid-1 short test - throw 1-8 together.							
	Grid-2 short test - throw 3-6 together.							
	Screen short test - throw 2-7 together.							
	*Must use magnoval adapter.							
30A3		2	12	23	4	*	9	5
	*1-2-3-6-7-8.							
	May show short on 1-2-3-6-7-8-9.							
	Use red grid cap.							
30A5		2	12	22	3	2	5-6-7	4
	Must show short on 2-5.							
30AG11								
(Key at 8)	Tri-1	2	12	22	9	-	2-3	7
	Di-1	2	12	24	9	-	5	7
(Key at 2)	Tri-2	2	12	22	3	-	7-8	1
	Di-2	2	12	24	3	-	5	1
30CW5		2	12	22	4	1-6-8	2-7-9	5
	May show short on 1-2-6-7-8-9.							
30HD5								
(Key at 0)		2	12	21	1	9	3-5-7	10
	Must show short on 5-9. Use red grid cap.							
30HJ5								
(Key at 0)		2	12	22	1	9	3-5-7	10
	Must show short on 5-9.							
	Red grid cap goes to top of tube.							
30JZ6								
(Key at 3)		2	12	22	2	-	7-8-9	4
	Black cap goes to top of tube.							
30KD6								
(Key at 4)		2	12	21	3	2	7-9-10	5
	Must show short on 1-2-7-8.							
	Cap goes to top of tube.							
30KG6*		2	12	20	4	1-3	6-8-10	5
	Must show short on 1-2-3-6-7-8.							
	Red cap goes to top of tube.							
	*Must use magnoval adapter.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
30MB6								
(Key at 5)		2	12	24	6	8-9	1-2-3-10	4
	Must show short on 2-3-8-9.							
	Red grid cap goes to top of tube.							
30M-P23		2	12	25	3	5	2-6-7	4
	Must show short on 2-5.							
	Grid short test - throw 2-5 together.							
30M-P27		2	12	25	3	5	2-6-7	4
	Must show short on 2-5.							
	Grid short test - throw 2-5 together.							
31A3		1	13	6	1	6	2	8
	Fil Cont - Set control E at 12							
31AL10								
(Key at 0)	Pen	2	11	25	6	-	4-5-8	1-9
	Tri-2	2	11	28	6	-	2-3	
(Key at 6)	Tri-1	2	11	26	9	-	2-4	5-7
31JS6								
(Key at 3)		2	12	21	2	1	6-8-9	4
	Must show short on 1-6.							
	Black cap goes to top of tube.							
31LQ6		2	12	25	4	1-2	6-7-8-10	5
	Must show short on 1-2-6-7.							
	Red cap goes to top of tube.							
31LR8	Tri	2	12	24	4	-	8-9	5
"	Pen	2	12	22	4	-	2-6-7	
31LZ6		2	12	25	4	1-2	6-7-9	5
	Must show short on 1-2-6-7.							
32A8	Tri	2	12	26	4	-	1-9	5
"	Pen	2	12	26	4	-	3-6-7	
32GA7								
(Key at 4)	Di	2	13	24	3	-	2	3-5
	Must show short on 6-7.							
(Key at 0)	Pen	2	13	35	1	3	2-3-7	1-9
	Must show short on 2-3.							
32HQ7								
(Key at 0)	Di	3	12	26	1	-	2	9
	Read on Diode Special Scale.							
(Key at 8)	Caution: Throw lever #5 to E before inserting tube.							
	Pen	2	12	21	7	5	4-6	
33GT7								
(Key at 4)	Di	3	13	26	3	-	6	5
	Read on Diode Special Scale.							
	Pen	3	13	23	3	-	1-2-9	
	Use red grid cap.							
33GY7								
(Key at 3)	Di	3	13	25	2	-	5	4
	Read on Diode Special Arc.							
(Key at 4)	Pen	2	13	22	3	-	1-2	5
	Use red grid cap.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
33HE7								
(Key at 0)	Di	3	13	25	1	-	2	9
	Read on Diode Special Scale.							
(Key at 8)	Pen	2	13	21	7	5	4-6	9
	Throw lever #5 to E before inserting tube.							
33JR6		2	12	25	4	1	2-7-9	5
	Must show short on 1-7.							
33JV6								
(Key at 5)		2	13	21	4	2	3-8-9	6
	Must show short on 2-9.							
34CD3								
(Key at 0)		2	13	21	1	-	4	9
34CE3								
(Key at 0)		2	13	20	1	-	4	9
34CM3		3	13	30	4	2	7	5
	Must show short on 2-7.							
	Read on Diode Special Arc.							
34R3		2	13	23	4	2	9	5
	Will show short on 2-9. Use red grid cap.							
35C3		1	13	4	3	-	5	4
35DZ8	Tri	2	13	26	4	-	1-9	5
"	Pen	2	13	25	4	-	3-6-7	
35LR6								
(Key at 3)		2	13	25	2	1	6-8-9	4
	Must show short on 1-6.							
	Black cap goes to top of tube.							
36KD6								
(Key at 4)		2	13	21	3	2	7-9-10	5
	Must show short on 1-2-7-8.							
	Cap goes to top of tube.							
36MC6		2	13	24	4	6-7	1-2	5
	Must show short on 1-2-6-7.							
	Grid cap goes to top of tube.							
38HE7								
(Key at 0)	Di	3	13	25	1	-	2	9
	Read on Diode Special Arc.							
(Key at 8)	Caution: Throw lever #5 to E before inserting tube.							
	Pen	2	13	21	7	5	4-6	9
38HK7								
(Key at 0)	Di	3	13	26	1	-	2	9
	Read on Diode Special Arc.							
(Key at 8)	Caution: Throw lever #5 to E before inserting tube.							
	Pen	2	13	21	7	5	4-6	
40KD6								
(Key at 4)		2	13	21	3	2	7-9-10	5
	Must show short on 1-2-7-8.							
	Cap goes to top of tube.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
40KG6*		2	13	20	4	1-3	6-8-10	5
	Must show short on 1-2-3-6-7-8.							
	Red cap goes to top of tube.							
	*Must use magnoval adapter.							
42EC4*		2	13	22	4	7-8	2	5
	Must show short on 2-7-8.							
	Cap goes to top of tube.							
	*Must use magnoval adapter.							
42KN6								
(Key at 6)		2	13	21	5	4	2-9-10	7
	Must show short on 4-9. Use red grid cap.							
50BM8	Tri	2	14	25	4	-	1-9	5
"	Pen	2	14	23	4	-	3-6-7	
50GY7								
(Key at 3)	Di	3	14	25	2	-	5	2-4
	Read on Diode Special Arc.							
(Key at 4)	Pe	2	14	22	3	-	1-2	3-5
50HN5		2	14	22	4	1	2-7-9	5
	Must show short on 1-2.							
50JY6		2	14	21	2	1	4-5-9	7
53HK7								
(Key at 0)	Di	3	14	26	1	-	2	9
	Read on Diode Special Arc.							
(Key at 8)	Caution: Throw lever #5 to E before inserting tube.							
	Pen	2	14	21	7	5	4-6	
58HE7								
(Key at 0)	Di	3	14	25	1	-	2	9
	Read on Diode Special Arc.							
(Key at 8)	Caution: Throw lever #5 to E before inserting tube.							
	Pen	2	14	21	7	5	4-6	9
60HL5		2	14	22	4	1	2 -7-9	5
	Must show short on 1-2.							
396-A	Tri-1	2	7	24	1	-	3-4	9
"	Tri-2	2	7	24	1	-	6-7	
403-B		2	7	25	3	-	1-5-6	4
	Must show short on 2-7.							
	Cathode short test - throw 2-7 together.							
CK5755	Tri-2	3	7	40	4	-	1-3	5-9
"	Tri-1	3	7	40	5	-	6-8	
	Good tube reads over 35.							
5763		1	7	4	4	8	1-3-6-9	5
	Must show short on 8-9.							
	Grid short test - throw 8-9 together.							
5823		5	18	11	-	-	1	-
	Must show short on 3-7.							
5844	Tri-1	2	7	23	3	-	2-5	4
"	Tri-2	2	7	23	3	-	1-6	

TUBE	SECT	A	B	C	D	E	F	FIL CONT
5845	Caution: Lever #7 must be thrown to position "E" before inserting tube and must remain in position "E" throughout all tests.							
"		5	5z	50	3	7	1	4
"		5	5z	50	3	7	5	
	Set switch "B" to #6 if there is no 5z position. Good tube reads above 30.							
5896	Di-1	1	7	7	3	-	5	6
"	Di-2	1	7	7	3	-	1	
5933		2	7	25	1	-	2-3-9	5
6012		2	7	28	2	-	3-5-8	7
6084		2	7	28	4	2	1-6-8-9	5
	Screen short test - throw 2-7 together.							
6085	Tri-1	1	7	8	9	-	1-2	4-5
"	Tri-2	1	7	8	9	-	6-7	
	Fil Cont - also throw 4-5 together.							
6094		2	7	26	3	6-7-9	1-2-4	5
	Must show short on 1-2-4-6-7-9.							
6216A		2	7	23	4	6	1-2-7	5
	Must show short on 1-3-6-8. Cathode short test - throw 3-8 together.							
6227		2	7	23	4	-	2-7-8	5
	Must show short on 1-6.							
CK-6526		2	2	26	5	-	1-2-4	3
6686		2	7	23	4	1	2-7-8-9	5
	Must show short on 1.							
6689		2	7	24	4	-	1-2-6	5
6939	Pen-1	2	7	22	9	-	3-6-8	4-5
"	Pen-2	2	7	22	9	-	1-6-7	
7119	Tri-1	2	7	23	8	-	7-9	4-5
"	Tri-2	2	7	23	8	-	1-2	
	Fil Cont - also throw 4-5 together.							
7189		2	7	23	4	1-6-8	2-7-9	5
	May show short on 1-2-6-8.							
7233		2	7	23	4	3-6-7-9	1-2	5
	Must show short on 1-2-3-6-7-9.							
7308	Tri-2	2	7	24	4	-	1-2	5
"	Tri-1	2	7	24	4	-	6-7	
7320		1	7	5	4	1	2-7-9	5
	Must show short on 1-2.							
7360		2	7	25	4	-	2-3-6-7	5
7586		2	7	21	4	-	1-2	5
7643	Tri	2	7	24	4	-	1-9	5
"	Pen	2	7	24	4	-	2-3-6	
7751		2	7	22	2	-	1-3-4-5	7
	Must show short on 1-4.							
7802	Tri-1	2	7	21	7	-	1-2	7-8
"	Tri-2	2	7	21	7	-	4-5	

TUBE	SECT	A	B	C	D	E	F	FIL CONT
7868		2	7	24	4	6-7	1-2-9	5
	May show short on 1-2-6-7.							
7898	Caution: Lever #9 must be thrown to open position "E" before inserting tube and must remain in open position throughout all tests - including short test.							
"	Tri-2	2	10	25	4	9	1-2	5
"	Tri-1	2	10	23	4	9	6-7	
7984 (Key at 7)		2	10	24	6	1	4-5-10	8
	Must show short on 1-2-3-5-9							
	Cathode short test - throw 2-3-9 together.							
	Use red grid cap.							
8032		2	10	25	2	-	3-5-9	7
	Must show short on 1-4-6.							
	Cathode short test - throw 1-4-6 together.							
8056		3	7	26	4	-	1-2	5
8077		2	10	22	4	-	2-7-8	5
	Must show short on 3-9.							
8102	Tri	2	10	22	4	-	1-3	5
"	Pen	2	10	22	4	-	6-7-9	
8106		2	10	22	4	6-8-9	*	5
	Must show short on 2-3-6-8-9.							
	Cathode short test - throw 2-6-9 together.							
	*Throw lever F to 1-3-7-8.							
8113		2	7	22	3	2	1-5-6	4
	Must show short on 2-7.							
	Cathode short test - throw 2-7 together.							
8156 (Key at 4)		2	10	25	3	6-7-8	1-2-9	5
	Must show short on 6-7-8-9-10.							
	Cathode short test - throw 6-10 together.							
	Use red grid cap.							
8203		2	7	21	4	-	1-2	5
8233*		2	7	21	4	-	1-3-8	5
	Must show short on 2-6-7-9.							
	Cathode short test - throw 7-9 together.							
	*Must use magnoval adapter.							
8278*		2	7	21	4	7-8	1-3-9	5
	Must show short on 1-2-3-6-7-8.							
	*Must use magnoval adapter							
8298		2	7	23	2	-	3-5-9	7
	Must show short on 1-4-6.							
	Cathode short test - throw 1-4-6 together.							
8417		2	7	22	2	-	3-4-5	7
8425		2	7	25	3	-	1-2-5-6	4
8441		3	7	44	4	-	1-2	5
8532		1	7	4	3	1-5	6-7	4
	Must show short on 1-5-6.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
8552		2	10	25	2	-	3-5-9	7
	Must show short on 1-4-6.							
	Cathode short test - throw 1-4-6 together.							
				FOREIGN				
DAF-92	Pen	2	2	34	1	-	2-3-6	7
"	Di	3	2	40	1	-	4	
DL-93		2	2	30	5	2	3-4-6	1-7
	Must show short on 2-6.							
	Fil Cont - also throw 1-7 together.							
DL-95		2	2	29	5	6	2-3-4	1-7
	Must show short on 2-6.							
	Fil Cont - also throw 1-7 together.							
E-55L*		2	7	21	4	-	1-3-8	5
	Must show short on 2-6-7-9.							
	Cathode short test - throw 7-9 together.							
	*Must use magnoval adapter.							
E-80CC	Tri-1	1	7	8	9	-	1-2	4-5
"	Tri-2	1	7	8	9	-	6-7	
	Fil Cont - also throw 4-5 together.							
E-80F		2	7	28	4	2	1-6-8-9	5
E-80L		2	7	23	4	-	2-7-8	5
	Must show short on 1-6.							
E-81L		2	7	23	4	1	2-7-8-9	5
	Must show short on 1.							
E-83F		2	7	24	4	-	1-2-6	5
E-84L		1	7	5	4	1	2-7-9	5
	Must show short on 1-2.							
E-182CC	Tri-1	2	7	23	8	-	7-9	4-5
"	Tri-2	2	7	23	8	-	1-2	
	Fil Cont - also throw 4-5 together.							
E-188CC	Tri-2	2	7	24	4	-	1-2	5
"	Tri-1	2	7	24	4	-	6-7	
E-235L		2	7	22	2	-	1-3-4-5	7
	Must show short on 1-4.							
EAF-801	Pen	2	7	25	4	-	1-2-6-9	5
"	Di	1	7	32	4	-	8	-
EAM-86	Tri	2	7	22	4	-	1-8	5
"	Eye	5	7	0	4	-	6-7	
	See instructions for eye test.							
EC-80		1	7	3	1	2-7	3-8	4
	Must show short on 2-3-7-8 individually.							
EC-81		2	7	24	4	-	1-8	5
EC-86		2	7	20	4	6-8	1-2-9	5
	Must show short on 1-2-3-6-7-8-9.							
	Plate short test - throw 1-9 together							
	Grid short test - throw 2-6-8 together.							
	Cathode short test - throw 3-7 together.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
EC-88		2	7	21	4	*	8-9	5
	Must show short on 1-3-6-7-9.							
	*Set lever E at 1-3-6-7.							
EC-91		2	7	22	3	-	1-6-7	4
	Must show short on 1-2-5-6.							
EC-95		2	7	22	3	-	2-5-6	4
	Must show short on 1-7.							
	Cathode short test - throw 1-7 together.							
EC-900		2	7	21	3	2	1-5	4
	Must show short on 2-7.							
	Cathode short test - throw 2-7 together							
ECC-189	Tri-1	2	7	21	4	-	6-7	5
"	Tri-2	2	7	21	4	-	1-2	
ECC 801S	Tri-1	1	7	4	9	-	1-2	5
"	Tri-2	1	7	4	9	-	6-7	
	Fil Cont - also throw 4-5 together.							
ECC-802S	Tri-1	1	7	8	9	-	1-2	4-5
"	Tri-2	1	7	8	9	-	6-7	
	Fil Cont - also throw 4-5 together.							
ECC-808	Tri-1	2	7	25	4	-	7-9	5
"	Tri-2	2	7	25	4	-	1-3	
ECF-200	Tri	2	7	23	5	-	9-10	6
"	Pen	2	7	21	5	-	3-5-7-8	
ECF-201	Tri	2	7	23	5	-	9-10	6
"	Pen	2	7	21	5	-	3-4-7-8	
ECF-202	Tri	2	7	25	5	-	9-10	6
"	Pen	2	7	21	5	-	3-4-7-8	
ECF-801	Tri	2	7	22	4	-	8-9	5
"	Pen	2	7	21	4	-	2-6-7	
	Must show show short on 1-3.							
	Cathode short test - throw 1-3 together.							
ECF-802	Tri	2	7	23	4	-	1-9	5
"	Pen	2	7	21	4	-	2-3-6	
ECF-805	Tri	2	7	23	4	-	1-9	5
"	Pen	2	7	21	4	-	2-3-7	
	Must show short on 6-8.							
	Cathode short test - throw 6-8 together.							
ECH-21	Tri	2	7	26	1	-	3-4	8
"	Pen	2	7	26	1	-	2-5-6-7	
ECH-84	Tri	2	7	24	4	-	8-9	5
"	Hep	2	7	22	4	-	2-6-7	
ECH-200	Tri	2	7	21	5	-	8-10	6
"	Pen	2	7	22	5	-	2-3-4-7	
ECL-85	Tri	2	7	24	4	-	1-2	5
"	Pen	2	7	22	4	-	6-7-9	
EF-22		1	7	4	1	-	2-3-4-6	8
EF-37A		2	7	27	2	-	3-4-9	7
EF-95		2	7	25	3	-	1-5-6	4
	Must show short on 2-7.							
	Cathode short test - throw 2-7 together.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
EF-804		2	7	24	4	-	7-8-9	5
	Must show short on 2-6.							
EF-806S		2	7	26	4	-	1-6-9	5
	Must show short on 2-7.							
EFL-200	Pen-1	2	7	22	5	-	1-3-4	6
"	Pen-2	2	7	21	5	-	8-9-10	
EH-900S	Tet	1	7	5	3	-	1-5-6-7	4
"	Tri	1	7	5	3	-	1-6	
EK-11	Tri-1	1	7	8	9	-	1-2	4-5
"	Tri-2	1	7	8	9	-	6-7	
	Fil Cont - also throw 4-5 together.							
EL-36		1	7	3	2	1-3	4-5-9	7
	Must show short on 1-3-4-8.							
	Cathode short test - throw 3-8 together.							
EL-81		2	7	21	4	7	2-8-10	5
	Must show short on 1-6-7-8-9. Use red cap.							
EL-82		2	7	24	4	-	2-7-9	5
EL-83		2	7	23	4	-	1-2-7	5
EL-500*		2	7	21	4	2-7-8	1-6-10	5
	Must show short on 1-2-3-6-7-8.							
	Cathode short test - throw 3-8 together.							
	Red grid cap goes to top of tube.							
	*Must use magnoval adapter.							
EL-503*		2	7	21	4	7-8	1-39	5
	Must show short on 1-2-3-6-7-8.							
	*Must use magnoval adapter							
EL-504*		2	7	21	4	2-7-8	1-6-10	5
	Must show short on 1-2-3-6-7-8.							
	Cathode short test - throw 3-8 together.							
	Red grid cap goes to top of tube							
	*Must use magnoval adapter.							
EL-505*		2	7	20	4	1-3	6-8-10	5
	Must show short on 1-2-3-6-7-8.							
	Red cap goes to top of tube.							
	*Must use magnoval adapter.							
EL-802		2	7	20	4	6	2-7-8	5
	Must show short on 3-6-8-9.							
EL-821		1	7	3	4	-	2-7-8	5
ELL-80	Pen-1	2	7	23	4	-	1-2-3	5
"	Pen-2	2	7	23	4	-	6-8-9	
EM-87	Tri	2	7	30	4	-	1-9	5
"	Eye	4	7	0	4	2-8	6-7	
	Must show short on 2-6-8.							
	See instructions for eye test.							
EQ-80		2	7	24	4	-	1-6-7	5
	Must show short on 3-8.							
EY-80		2	7	24	4	-	9	5
EY-81		2	7	23	4	2	9	5
	May show short on all pins. Use red cap.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
EY-82		2	7	24	4	-	9	5
EY-87		5	7	19	2	5-8	10	•
	Caution: Levers 5-8 must be thrown in position E before inserting tube and must remain in position E throughout all tests - including short test.							
	•1-4-6-9. Use red grid cap.							
EY-88		2	7	23	4	*	9	5
	*1-2-3-6-7-8.							
	May show short on 1-2-3-6-7-8-9.							
	Use red grid cap.							
GY-501*		5	4	18	4	2-8	10	5
	Caution: Throw levers 2-8 in E position before inserting tube.							
	Red cap goes to top of tube.							
	Must show short on 1-9.							
	*Must use magnoval adapter.							
GZ-32	Plate-1	1	6	6	2	-	4	8
"	Plate-2	1	6	6	2	-	6	
HBC-91	Tri	2	10	27	3	-	1-7	4
"	Di-1	3	10	35	3	-	5	
"	Di-2	3	10	35	3	-	6	
HCC-85	Tri-1	2	11	22	4	-	6-7	5
"	Tri-2	2	11	22	4	-	1-2	
HCH-81	Tri	2	10	25	4	-	8-9	5
"	Hep	2	10	23	4	-	1-2-6	
HL-94		2	12	22	3	2	5-6-7	4
	Must show short on 2-5.							
LC-900		2	4	21	3	2	1-5	4
	Must show short on 2-7.							
	Cathode short test - throw 2-7 together.							
LCF-200	Tri	2	7	23	5	-	9-10	6
"	Pen	2	7	21	5	-	3-4-7-8	
LCF-201	Tri	2	7	23	5	-	9-10	6
"	Pen	2	7	21	5	-	3-4-7-8	
LCF-801	Tri	2	7	22	4	-	8-9	5
"	Pen	2	7	21	4	-	2-6-7	
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together.							
LCF-802	Tri	2	7	23	4	-	1-9	5
"	Pen	2	7	22	4	-	2-3-6	
LCH-200	Tri	2	6	21	5	-	8-10	6
"	Pen	2	6	22	5	-	2-3-4-7	
LCL-80	Tri	2	6	26	4	-	1-2	5
"	Pen	2	6	23	4	-	6-7-8	
LCL-84	Tri	2	9	23	4	-	1-2	5
"	Pen	2	9	23	4	-	6-8-9	
LCL-85	Tri	2	9	24	4	-	1-2	5
"	Pen	2	9	22	4	-	6-7-9	

TUBE	SECT	A	B	C	D	E	F	FIL CONT
LFL-200	Pen-1	2	9	22	5	-	1-3-4	5-6
"	Pen-2	2	9	21	5	-	8-9-10	
LL-86		2	9	22	4	1-6-8	2-7-9	5
	May show short on 1-2-6-7-8-9.							
LL-500*		2	11	21	4	2-7-8	1-6-10	5
	Must show short on 1-2-3-6-7-8.							
	Cathode short test - throw 3-8 together.							
	Red cap goes to top of tube.							
	*Must use magnoval adapter.							
LL-505*		2	12	20	4	1-3	6-8-10	5
	Must show short on 1-2-3-6-7-8.							
	Red cap goes to top of tube.							
	*Must use magnoval adapter.							
LL-521*		2	11	21	4	6-8	1-3-10	5
	Must show short on 1-2-3-6-7-8.							
	Red cap goes to top of tube.							
	*Must use magnoval adapter.							
LL-802		2	9	20	4	6	2-7-8	5
	Must show short on 3-6-8-9.							
LY-81		2	9	23	4	2	9	5
	May show short on all pins. Use red cap.							
LY-88		2	11	23	4	*	9	5
	*1-2-3-6-7-8.							
	May show short on 1-2-3-6-7-8-9.							
	Read on Diode Special Arc.							
	Use red grid cap.							
M-8096		1	7	4	4	8	1-3-6-9	5
	Must show short on 8-9.							
	Grid short test - throw 8-9 together.							
PC-88		2	5	22	4	-	*	5
	Must show short on 1-3-6-7-9.							
	*Throw levers 1-3-6-7-8-9 to F position.							
PC-95		2	5	21	3	-	2-5	4
	Must show short on 1-7.							
PC-900		2	5	21	3	2	1-5	4
	Must show short on 2-7.							
	Cathode short test - throw 2-7 together.							
PCC-85	Tri-1	2	9	26	4	-	6-7	5
"	Tri-2	2	9	26	4	-	1-2	
PCC-88	Tri-1	2	7	23	4	-	6-7	5
"	Tri-2	2	7	23	4	-	1-2	
PCC-189	Tri-1	2	8	21	4	-	6-7	5
"	Tri-2	2	8	21	4	-	1-2	
PCF-86	Tri	2	8	23	4	-	6-7	5
"	Pen	2	8	22	4	-	2-8-9	
	May show short on 1-3.							
	Cathode short test - throw 1-3 together.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
PCF-200	Tri	2	8	23	5	-	9-10	6
"	Pen	2	8	21	5	-	3-4-7-8	
PCF-201	Tri	2	8	23	5	-	9-10	6
"	Pen	2	8	21	5	-	3-4-7-8	
PCF-801	Tri	2	8	22	4	-	8-9	5
"	Pen	2	8	21	4	-	2-6-7	
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together.							
PCF-802	Tri	2	9	23	4	-	1-9	5
"	Pen	2	9	21	4	-	2-3-6	
PCF-805	Tri	2	8	23	4	-	1-9	5
"	Pen	2	8	21	4	-	2-3-7	
PCH-200	Tri	2	9	21	5	-	8-10	6
"	Pen	2	9	22	5	-	2-3-4-7	
PCL-82	Tri	2	10	24	4	-	1-9	5
"	Pen	2	10	22	4	-	3-6-7	
PCL-84	Tri	2	10	23	4	-	1-2	5
"	Pen	2	10	23	4	-	6-8-9	
PCL-85	Tri	2	11	24	4	-	1-2	5
"	Pen	2	11	22	4	-	6-7-9	
PCL-86	Tri	2	10	24	4	-	1-2	5
"	Pen	2	10	22	4	-	6-7-9	
PF-86		2	6	24	4	-	1-6-9	5
	Must show short on 2-7.							
PFL-200	Pen-1	2	11	22	5	-	1-3-4	6
"	Pen-2	2	11	21	5	-	8-9-10	
PL-81		2	11	23	4	1-6-7	2-8-10	5
	Must show short on 1-6-7-8-9. Use red grid cap.							
PL-82		2	11	22	4	-	2-7-9	5
PL-83		2	10	24	4	-	1-2-6-7	5
PL-84		2	10	22	4	1-6-8	2-7-9	5
	Must show short on 1-2-6-7-8-9.							
PL-500*		2	12	21	4	2-7-8	1-6-10	5
	Must show short on 1-2-3-6-7-8.							
	Cathode short test - throw 3-8 together.							
	Red grid cap goes to top of tube.							
	*Must use magnoval adapter.							
PL-505*		2	13	20	4	1-3	6-8-10	5
	Must show short on 1-2-3-6-7-8.							
	Red cap goes to top of tube.							
	*Must use magnoval adapter.							
PL-521*		2	12	21	4	6-8	1-3-10	5
	Must show short on 1-2-3-6-7-8.							
	Red cap goes to top of tube.							
	*Must use magnoval adapter.							
PM-84	Tri	2	5	34	4	-	1-9	5
"	Eye	4	5	0	4	2-8	6-7	
	Must show short on 2-6-8.							
	See instructions for eye test.							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
PY-88		2	12	23	4	*	9	5
	*1-2-3-6-7-8.							
	May show short on 1-2-3-6-7-8-9.							
	Use red grid cap.							
PY-500*		2	13	22	4	7-8	2	5
	Must show short on 2-7-8.							
	Cap goes to top of tube.							
	*Must use magnoval adapter.							
UBF-89	Pen	2	11	23	4	-	1-2-6-9	5
"	+Di-1	3	11	31	4	-	7	
"	+Di-2	3	11	31	4	-	8	
UCC-85	Tri-1	2	12	26	4	-	6-7	5
"	Tri-2	2	12	26	4	-	1-2	
UCF-12	Tri	2	11	26	2	-	4-5	3
"	Pen	2	11	26	2	-	1-6-7	
UCL-82	Tri	2	14	25	4	-	1-9	5
"	Pen	2	14	23	4	-	3-6-7	
UY-41		1	13	6	1	6	2	8
	Fil Cont - Set control E at 12							
XC-95		2	4	22	3	-	2-5-6	4
	Must show short on 1-7.							
	Cathode short test - throw 1-7 together.							
XC-900		2	3	21	3	2	1-5	4
	Must show short on 2-7.							
	Cathode short test - throw 2-7 together.							
XCC-189	Tri-1	2	5z	21	4	-	6-7	5
"	Tri-2	2	5z	21	4	-	1-2	
	Set switch B to #6 if there is no 5z position.							
XCF-80	Tri	2	6	24	4	-	1-9	5
"	Pen	2	6	23	4	-	2-3-6	
XCF-801	Tri	2	5	22	4	-	8-9	5
"	Pen	2	5	21	4	-	2-6-7	
	Must show short on 1-3.							
	Cathode short test - throw 1-3 together.							
XCL-82	Tri	2	8	25	4	-	1-9	5
"	Pen	2	8	23	4	-	3-6-7	
XCL-84	Tri	2	8	23	4	-	1-2	5
"	Pen	2	8	23	4	-	6-8-9	
XCL-85	Tri	2	9	24	4	-	1-2	5
"	Pen	2	9	22	4	-	6-7-9	
XF-86		2	4	24	4	-	1-6-9	5
	May show short on 2-7.							
XL-36		1	10	3	2	1-3	4-5-9	7
	Must show short on 1-3-4-8.							
	Cathode short test - throw 3-8 together.							
XL-84		1	8	5	4	1	2-7-9	5
	Must show short on 1-2.							
XL-86		2	8	22	4	1-6-8	2-7-9	5
	May show short on 1-2-6-7-8-9							

TUBE	SECT	A	B	C	D	E	F	FIL CONT
XL-500*		2	10	21	4	2-7-8	1-6-10	5
	Must show short on 1-2-3-6-7-8.							
	Cathode short test - throw 3-8 together.							
	Red cap goes to top of tube.							
	*Must use magnoval adapter.							
YC-98		2	9	4	3	2-4	6	5
YL-1370		2	7	23	2	-	3-5-9	7
	Must show short on 1-4-6.							
	Cathode short test - throw 1-4-6 together.							
YL-1371		2	10	25	2	-	3-5-9	7
	Must show short on 1-4-6.							
	Cathode short test - throw 1-4-6 together.							
Z-900T		5	22	11	-	-	1	-
	Must show short on 3-7.							